

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012319\
 Data File : VD060789.D
 Acq On : 23 Jan 2019 18:31
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSVVD012319

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 12:50:22 PM

Quant Time: Jan 24 07:10:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 24 06:50:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.80	168	645535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.98	114	889609	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.16	117	692973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	368367	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.22	65	430679	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
35) Dibromofluoromethane	6.69	113	437223	55.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.48%	
50) Toluene-d8	10.18	98	1024304	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	
62) 4-Bromofluorobenzene	13.35	95	493207	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	425590	55.664	ug/l	94
3) Chloromethane	1.76	50	250198	55.637	ug/l	96
4) Vinyl Chloride	1.85	62	259106	56.334	ug/l	98
5) Bromomethane	2.14	94	86080	69.941	ug/l	94
6) Chloroethane	2.24	64	88075	62.669	ug/l	96
7) Trichlorofluoromethane	2.50	101	489447	56.547	ug/l	96
8) Diethyl Ether	2.80	74	70622	59.024	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.07	101	248376	56.978	ug/l	99
10) Methyl Iodide	3.21	142	238896	50.130	ug/l #	93
11) Tert butyl alcohol	3.93	59	114925	248.284	ug/l #	90
12) 1,1-Dichloroethene	3.05	96	179499	57.680	ug/l	95
13) Acrolein	2.96	56	50976	290.799	ug/l	98
14) Allyl chloride	3.50	41	392303	56.935	ug/l	97
15) Acrylonitrile	4.04	53	291105	253.956	ug/l	99
16) Acetone	3.13	43	299548	242.759	ug/l	92
17) Carbon Disulfide	3.28	76	575740	54.259	ug/l	98
18) Methyl Acetate	3.52	43	130502	51.232	ug/l #	86
19) Methyl tert-butyl Ether	4.09	73	779834	52.353	ug/l	99
20) Methylene Chloride	3.68	84	315989	52.045	ug/l	99
21) trans-1,2-Dichloroethene	4.06	96	322258	52.725	ug/l	97
22) Diisopropyl ether	4.90	45	1103709	53.936	ug/l	97
23) Vinyl Acetate	4.83	43	2955920	256.756	ug/l	98
24) 1,1-Dichloroethane	4.77	63	682195	53.294	ug/l	99
25) 2-Butanone	5.84	43	450266	248.885	ug/l	95
26) 2,2-Dichloropropane	5.78	77	632730	50.953	ug/l	99
27) cis-1,2-Dichloroethene	5.80	96	324733	49.926	ug/l	97
28) Bromochloromethane	6.20	49	259886	52.815	ug/l #	91
29) Tetrahydrofuran	6.24	42	234645	263.865	ug/l	98
30) Chloroform	6.42	83	776578	53.611	ug/l	93
31) Cyclohexane	6.72	56	478169	51.225	ug/l	98
32) 1,1,1-Trichloroethane	6.63	97	740515	54.296	ug/l	98
36) 1,1-Dichloropropene	6.91	75	550606	52.084	ug/l	98
37) Ethyl Acetate	5.94	43	239019	51.069	ug/l	99
38) Carbon Tetrachloride	6.88	117	649358	51.727	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012319\
 Data File : VD060789.D
 Acq On : 23 Jan 2019 18:31
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012319

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 12:50:22 PM

Quant Time: Jan 24 07:10:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 24 06:50:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.64	83	501313	52.818	ug/l	94
40) Benzene	7.22	78	1046077	47.612	ug/l	99
41) Methacrylonitrile	6.22	41	137693m	44.387	ug/l	
42) 1,2-Dichloroethane	7.34	62	588004	53.217	ug/l	96
43) Isopropyl Acetate	9.01	43	323342	49.308	ug/l #	100
44) Trichloroethene	8.30	130	393011	53.397	ug/l	95
45) 1,2-Dichloropropane	8.71	63	289593	50.908	ug/l	99
46) Dibromomethane	8.83	93	225731	51.502	ug/l	91
47) Bromodichloromethane	9.15	83	603478	53.964	ug/l	99
48) Methyl methacrylate	8.89	41	212486	47.984	ug/l	98
49) 1,4-Dioxane	8.85	88	37993	1027.341	ug/l #	85
51) 4-Methyl-2-Pentanone	10.09	43	1034436	244.966	ug/l	98
52) Toluene	10.29	92	696761	52.459	ug/l	100
53) t-1,3-Dichloropropene	10.70	75	519840	50.693	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	521884	50.122	ug/l	96
55) 1,1,2-Trichloroethane	10.97	97	237121	50.749	ug/l	98
56) Ethyl methacrylate	10.82	69	297110	53.199	ug/l	95
57) 1,3-Dichloropropane	11.19	76	408559	52.895	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.63	63	741922	251.102	ug/l	100
59) 2-Hexanone	11.32	43	771115	241.639	ug/l	95
60) Dibromochloromethane	11.47	129	409772	54.307	ug/l	98
61) 1,2-Dibromoethane	11.59	107	273690	50.443	ug/l	92
64) Tetrachloroethene	11.04	164	342536	53.624	ug/l	96
65) Chlorobenzene	12.19	112	779085	52.304	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.31	131	328840	51.514	ug/l	93
67) Ethyl Benzene	12.32	91	1399168	51.889	ug/l	99
68) m/p-Xylenes	12.46	106	939067	102.791	ug/l	97
69) o-Xylene	12.84	106	435998	50.782	ug/l	95
70) Styrene	12.87	104	716786	54.711	ug/l	96
71) Bromoform	13.03	173	243123	50.047	ug/l	99
73) Isopropylbenzene	13.21	105	1430495	51.154	ug/l	98
74) N-amyl acetate	13.07	43	443269	49.152	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.50	83	253709	48.026	ug/l	99
76) 1,2,3-Trichloropropane	13.53	75	319840	51.428	ug/l	95
77) Bromobenzene	13.47	156	360474	48.973	ug/l	93
78) n-propylbenzene	13.57	91	1735117	49.563	ug/l	97
79) 2-Chlorotoluene	13.64	91	1054621	51.189	ug/l	100
80) 1,3,5-Trimethylbenzene	14.04	105	1171812	49.314	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.27	75	89578	52.275	ug/l	90
82) 4-Chlorotoluene	13.75	91	1206459	49.254	ug/l	97
83) tert-Butylbenzene	13.99	119	1190312	47.147	ug/l	95
84) 1,2,4-Trimethylbenzene	14.04	105	1171812	49.314	ug/l	99
85) sec-Butylbenzene	14.17	105	1380784	47.952	ug/l	100
86) p-Isopropyltoluene	14.29	119	1224458	50.104	ug/l	97
87) 1,3-Dichlorobenzene	14.26	146	639879	49.653	ug/l	99
88) 1,4-Dichlorobenzene	14.34	146	628092	48.464	ug/l	99
89) n-Butylbenzene	14.60	91	1181408	49.103	ug/l	99
90) Hexachloroethane	14.81	117	349306	51.573	ug/l	85
91) 1,2-Dichlorobenzene	14.61	146	502174	53.090	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.18	75	57298	47.659	ug/l	80

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012319\
Data File : VD060789.D
Acq On : 23 Jan 2019 18:31
Operator : VA/AP
Sample : VSTDICV050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
ICVVD012319

Manual Integrations
APPROVED

MMDadoda
1/24/2019 12:50:22 PM

Quant Time: Jan 24 07:10:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012319S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 24 06:50:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	503295	51.325	ug/l	98
94) Hexachlorobutadiene	15.84	225	337863	47.287	ug/l	97
95) Naphthalene	15.93	128	758426	51.069	ug/l	99
96) 1,2,3-Trichlorobenzene	16.08	180	404054	48.746	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

