

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
 Data File : VD063081.D
 Acq On : 15 Jul 2019 15:32
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSVVD071519

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 9:15:16 AM

Quant Time: Jul 16 08:24:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	761790	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.21	114	1012278	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	808399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	439095	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	402313	42.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.80%	
35) Dibromofluoromethane	6.91	113	431045	42.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.50%	
50) Toluene-d8	10.41	98	927993	42.85	ug/l	0.01
Spiked Amount	50.000		Recovery	=	85.70%	
62) 4-Bromofluorobenzene	13.55	95	410558	40.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.96%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	455894	55.933	ug/l	99
3) Chloromethane	1.75	50	346765	50.309	ug/l #	79
4) Vinyl Chloride	1.84	62	402251	49.475	ug/l	95
5) Bromomethane	2.15	94	180287	58.742	ug/l	87
6) Chloroethane	2.27	64	189911	50.284	ug/l	91
7) Trichlorofluoromethane	2.52	101	846264	51.417	ug/l	93
8) Diethyl Ether	2.87	74	118764	51.297	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	452389	47.668	ug/l	98
10) Methyl Iodide	3.29	142	614570	52.748	ug/l	97
11) Tert butyl alcohol	4.07	59	130449	238.196	ug/l #	93
12) 1,1-Dichloroethene	3.11	96	331861	49.243	ug/l	94
13) Acrolein	3.04	56	24030	145.380	ug/l	84
14) Allyl chloride	3.61	41	526869	49.743	ug/l	98
15) Acrylonitrile	4.19	53	306271	252.993	ug/l	99
16) Acetone	3.21	43	584150	254.864	ug/l	97
17) Carbon Disulfide	3.36	76	916395	47.506	ug/l	98
18) Methyl Acetate	3.64	43	157120	51.216	ug/l #	89
19) Methyl tert-butyl Ether	4.24	73	856676	50.357	ug/l	100
20) Methylene Chloride	3.80	84	372179	42.982	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	376316	50.301	ug/l	98
22) Diisopropyl ether	5.11	45	1218870	52.929	ug/l	94
23) Vinyl Acetate	5.05	43	3677648	273.733	ug/l	99
24) 1,1-Dichloroethane	4.97	63	751895	53.005	ug/l	98
25) 2-Butanone	6.07	43	540558	246.979	ug/l	95
26) 2,2-Dichloropropane	6.01	77	808460	51.497	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	428806	50.386	ug/l	98
28) Bromochloromethane	6.43	49	211801	41.156	ug/l	94
29) Tetrahydrofuran	6.45	42	235341	237.205	ug/l	97
30) Chloroform	6.66	83	905520	51.833	ug/l	98
31) Cyclohexane	6.94	56	467627	51.764	ug/l	96
32) 1,1,1-Trichloroethane	6.85	97	865607	50.247	ug/l	97
36) 1,1-Dichloropropene	7.14	75	579769	50.924	ug/l	97
37) Ethyl Acetate	6.18	43	245923	50.472	ug/l	97
38) Carbon Tetrachloride	7.10	117	879586m	50.844	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
 Data File : VD063081.D
 Acq On : 15 Jul 2019 15:32
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD071519

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 9:15:16 AM

Quant Time: Jul 16 08:24:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	487136	49.492	ug/l	95
40) Benzene	7.45	78	1164011	48.816	ug/l	97
41) Methacrylonitrile	6.44	41	313268	47.423	ug/l #	94
42) 1,2-Dichloroethane	7.57	62	656076	51.645	ug/l	95
43) Isopropyl Acetate	9.24	43	347171	49.710	ug/l #	99
44) Trichloroethene	8.53	130	499486	54.203	ug/l	100
45) 1,2-Dichloropropane	8.93	63	309062	51.987	ug/l	98
46) Dibromomethane	9.06	93	250213	48.978	ug/l	92
47) Bromodichloromethane	9.38	83	714998	53.633	ug/l	94
48) Methyl methacrylate	9.12	41	235320	51.309	ug/l	90
49) 1,4-Dioxane	9.07	88	38669	977.640	ug/l #	82
51) 4-Methyl-2-Pentanone	10.30	43	1221481	263.697	ug/l	95
52) Toluene	10.51	92	869489	54.607	ug/l	93
53) t-1,3-Dichloropropene	10.91	75	620882	54.361	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	589293	49.899	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	277001	50.340	ug/l	94
56) Ethyl methacrylate	11.04	69	293213	47.692	ug/l	95
57) 1,3-Dichloropropane	11.40	76	414323	49.483	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	861525	251.665	ug/l	99
59) 2-Hexanone	11.53	43	892190	249.749	ug/l	93
60) Dibromochloromethane	11.68	129	555642	52.678	ug/l	98
61) 1,2-Dibromoethane	11.80	107	333635	50.654	ug/l	93
64) Tetrachloroethene	11.26	164	403573	51.449	ug/l	96
65) Chlorobenzene	12.40	112	1013239	53.320	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	463279	52.583	ug/l	97
67) Ethyl Benzene	12.52	91	1673534	50.685	ug/l	100
68) m/p-Xylenes	12.66	106	1210251	102.337	ug/l	96
69) o-Xylene	13.05	106	596049	53.153	ug/l	94
70) Styrene	13.07	104	1049622	53.474	ug/l	98
71) Bromoform	13.23	173	335078	54.324	ug/l #	98
73) Isopropylbenzene	13.40	105	1753727	51.717	ug/l	99
74) N-amyl acetate	13.26	43	461862	48.837	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	315375	51.117	ug/l	92
76) 1,2,3-Trichloropropane	13.73	75	355148	52.579	ug/l	98
77) Bromobenzene	13.67	156	513520	53.401	ug/l	92
78) n-propylbenzene	13.77	91	2156127	55.253	ug/l	100
79) 2-Chlorotoluene	13.83	91	1246421	52.827	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	1628179	55.091	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	88808	49.928	ug/l	96
82) 4-Chlorotoluene	13.94	91	1532495	55.622	ug/l	98
83) tert-Butylbenzene	14.19	119	1753442	52.471	ug/l	93
84) 1,2,4-Trimethylbenzene	14.24	105	1528429	51.874	ug/l	95
85) sec-Butylbenzene	14.37	105	1920542	54.092	ug/l	100
86) p-Isopropyltoluene	14.48	119	1759412	53.119	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	893779	52.045	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	855026	51.934	ug/l	95
89) n-Butylbenzene	14.79	91	1615169	52.906	ug/l	98
90) Hexachloroethane	15.01	117	463838	52.385	ug/l	96
91) 1,2-Dichlorobenzene	14.81	146	785743	51.382	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	59221	50.077	ug/l #	35

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
Data File : VD063081.D
Acq On : 15 Jul 2019 15:32
Operator : VA/AP
Sample : VSTDICV050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
ICVVD071519

Manual Integrations
APPROVED

MMDadoda
7/16/2019 9:15:16 AM

Quant Time: Jul 16 08:24:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 08:11:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	623425	54.264	ug/l	98
94) Hexachlorobutadiene	16.03	225	476972	56.325	ug/l	97
95) Naphthalene	16.12	128	878882	52.297	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	488637	52.871	ug/l	99

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

