

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102319\
 Data File : VD064036.D
 Acq On : 23 Oct 2019 22:25
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 4:53:07 PM

Quant Time: Oct 24 07:06:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	131606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	218288	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	231012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	135768	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	73038	57.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.00%	
35) Dibromofluoromethane	7.93	113	73408	55.03	ug/l	0.01
Spiked Amount	50.000		Recovery	=	110.06%	
50) Toluene-d8	10.34	98	303134	55.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.96%	
62) 4-Bromofluorobenzene	12.64	95	107023	56.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	36041	38.616	ug/l	94
3) Chloromethane	2.21	50	133208	53.110	ug/l	100
4) Vinyl Chloride	2.35	62	154382	51.179	ug/l	96
5) Bromomethane	2.77	94	98168	50.621	ug/l	90
6) Chloroethane	2.93	64	107445	53.859	ug/l	99
7) Trichlorofluoromethane	3.28	101	219601	55.062	ug/l	92
8) Diethyl Ether	3.71	74	32079	50.112	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.08	101	45651	41.351	ug/l	96
10) Methyl Iodide	4.30	142	58082	38.181	ug/l	98
11) Tert butyl alcohol	5.24	59	22157	248.881	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	41981	38.062	ug/l	98
13) Acrolein	3.92	56	38665	337.873	ug/l	97
14) Allyl chloride	4.71	41	90935	49.589	ug/l	93
15) Acrylonitrile	5.43	53	87596	310.371	ug/l	99
16) Acetone	4.17	43	72673	217.853	ug/l #	84
17) Carbon Disulfide	4.41	76	152586	38.057	ug/l	99
18) Methyl Acetate	4.73	43	42220	64.709	ug/l	91
19) Methyl tert-butyl Ether	5.49	73	151370	52.998	ug/l	95
20) Methylene Chloride	4.97	84	73144	49.378	ug/l	92
21) trans-1,2-Dichloroethene	5.48	96	65001	47.340	ug/l	95
22) Diisopropyl ether	6.37	45	214119	57.173	ug/l	93
23) Vinyl Acetate	6.31	43	646814	290.322	ug/l	100
24) 1,1-Dichloroethane	6.27	63	124835	54.115	ug/l	98
25) 2-Butanone	7.22	43	113026	285.897	ug/l	92
26) 2,2-Dichloropropane	7.21	77	93364	44.741	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	82683	53.202	ug/l	99
28) Bromochloromethane	7.56	49	59500	67.177	ug/l	98
29) Tetrahydrofuran	7.57	42	67813	293.879	ug/l	97
30) Chloroform	7.71	83	140862	56.221	ug/l	93
31) Cyclohexane	7.98	56	103982	54.912	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	112759	52.465	ug/l	96
36) 1,1-Dichloropropene	8.11	75	98512	49.358	ug/l	98
37) Ethyl Acetate	7.30	43	46136	58.311	ug/l	99
38) Carbon Tetrachloride	8.10	117	99327	49.247	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	116320	47.400	ug/l	95
40) Benzene	8.35	78	304749	53.282	ug/l	98
41) Methacrylonitrile	7.53	41	26882	58.094	ug/l	88
42) 1,2-Dichloroethane	8.43	62	88350	53.401	ug/l	97
43) Isopropyl Acetate	8.46	43	89448	53.440	ug/l	97
44) Trichloroethene	9.12	130	82446	49.989	ug/l	95
45) 1,2-Dichloropropane	9.39	63	76814	54.869	ug/l	98
46) Dibromomethane	9.48	93	45462	57.021	ug/l	99
47) Bromodichloromethane	9.67	83	111307	54.224	ug/l	99
48) Methyl methacrylate	9.46	41	40458	50.448	ug/l	94
49) 1,4-Dioxane	9.47	88	12859	1181.578	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	252593	290.982	ug/l	96
52) Toluene	10.41	92	220034	56.040	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	108686	54.260	ug/l	90
54) cis-1,3-Dichloropropene	10.09	75	122776	53.248	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	68063	60.461	ug/l	90
56) Ethyl methacrylate	10.67	69	80857	56.719	ug/l	97
57) 1,3-Dichloropropane	10.95	76	112832	58.581	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	178796	291.784	ug/l	98
59) 2-Hexanone	10.99	43	178089	283.610	ug/l	99
60) Dibromochloromethane	11.14	129	85181	58.121	ug/l	98
61) 1,2-Dibromoethane	11.26	107	65207	59.749	ug/l	98
64) Tetrachloroethene	10.88	164	82063	52.035	ug/l	94
65) Chlorobenzene	11.67	112	245935	53.011	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	92934	54.364	ug/l	99
67) Ethyl Benzene	11.75	91	438777	52.450	ug/l	99
68) m/p-Xylenes	11.86	106	350798	108.641	ug/l	97
69) o-Xylene	12.18	106	163509	52.884	ug/l	98
70) Styrene	12.20	104	287582	54.944	ug/l	99
71) Bromoform	12.36	173	53350	58.151	ug/l #	98
73) Isopropylbenzene	12.48	105	429750	47.086	ug/l	96
74) N-amyl acetate	12.30	43	90057	45.829	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	82267	51.798	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	45650m	50.201	ug/l	
77) Bromobenzene	12.77	156	116998	51.452	ug/l	95
78) n-propylbenzene	12.83	91	522942	48.813	ug/l	98
79) 2-Chlorotoluene	12.91	91	286516	48.503	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	380270	49.941	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	23231	45.208	ug/l	97
82) 4-Chlorotoluene	13.01	91	303111	48.371	ug/l	98
83) tert-Butylbenzene	13.23	119	338046	49.884	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	395460	50.377	ug/l	99
85) sec-Butylbenzene	13.40	105	453373	49.540	ug/l	100
86) p-Isopropyltoluene	13.52	119	432247	49.913	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	231007	51.414	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	231766	52.287	ug/l	97
89) n-Butylbenzene	13.85	91	400075	49.632	ug/l	97
90) Hexachloroethane	14.11	117	81276	52.182	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	200955	51.899	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12445	50.455	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	145439	48.680	ug/l	100
94) Hexachlorobutadiene	15.27	225	81995	49.733	ug/l	99
95) Naphthalene	15.41	128	273412	54.447	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	133796	51.904	ug/l	99

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

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