

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100719\
 Data File : VD063899.D
 Acq On : 07 Oct 2019 15:12
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/10/2019 1:46:19 PM

Quant Time: Oct 08 17:37:58 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	213527	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	335114	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	331988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	180770	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	101846	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
35) Dibromofluoromethane	7.91	113	104287	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
50) Toluene-d8	10.34	98	428633	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
62) 4-Bromofluorobenzene	12.63	95	141853	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	71559	47.256	ug/l	98
3) Chloromethane	2.21	50	227093	56.049	ug/l	98
4) Vinyl Chloride	2.35	62	256425	52.394	ug/l	98
5) Bromomethane	2.77	94	148037	47.049	ug/l	91
6) Chloroethane	2.92	64	163043	50.373	ug/l	93
7) Trichlorofluoromethane	3.27	101	338339	52.287	ug/l	100
8) Diethyl Ether	3.70	74	53556	51.565	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	93642	52.279	ug/l	99
10) Methyl Iodide	4.29	142	129742	52.567	ug/l	99
11) Tert butyl alcohol	5.23	59	39139	271.701	ug/l	95
12) 1,1-Dichloroethene	4.06	96	94169	52.622	ug/l	92
13) Acrolein	3.91	56	52466	282.577	ug/l	97
14) Allyl chloride	4.70	41	151558	50.940	ug/l	98
15) Acrylonitrile	5.42	53	122770	268.109	ug/l	99
16) Acetone	4.16	43	145511	268.849	ug/l	95
17) Carbon Disulfide	4.40	76	324642	49.906	ug/l #	93
18) Methyl Acetate	4.72	43	54778	51.746	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	247441	53.397	ug/l	98
20) Methylene Chloride	4.96	84	137293	57.628	ug/l	96
21) trans-1,2-Dichloroethene	5.46	96	117634	52.804	ug/l	97
22) Diisopropyl ether	6.37	45	323064	53.168	ug/l	98
23) Vinyl Acetate	6.31	43	981039	271.400	ug/l	98
24) 1,1-Dichloroethane	6.26	63	199819	53.388	ug/l	95
25) 2-Butanone	7.22	43	175321	273.331	ug/l	94
26) 2,2-Dichloropropane	7.20	77	181916	53.731	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	134765	53.446	ug/l	99
28) Bromochloromethane	7.54	49	69840	49.115	ug/l	99
29) Tetrahydrofuran	7.57	42	95266	254.458	ug/l	99
30) Chloroform	7.71	83	209148	51.450	ug/l	95
31) Cyclohexane	7.98	56	176144	57.523	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	191449	54.902	ug/l	98
36) 1,1-Dichloropropene	8.11	75	165144	53.898	ug/l	99
37) Ethyl Acetate	7.30	43	67338	55.224	ug/l	100
38) Carbon Tetrachloride	8.09	117	171208	55.294	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	207136	54.981	ug/l	93
40) Benzene	8.35	78	476840	54.306	ug/l	97
41) Methacrylonitrile	7.53	41	33738	47.493	ug/l	93
42) 1,2-Dichloroethane	8.43	62	137468	54.123	ug/l	99
43) Isopropyl Acetate	8.46	43	133173	51.826	ug/l	100
44) Trichloroethene	9.11	130	137373	54.255	ug/l	100
45) 1,2-Dichloropropane	9.38	63	116318	54.122	ug/l	96
46) Dibromomethane	9.48	93	66295	54.163	ug/l	98
47) Bromodichloromethane	9.66	83	171836	54.528	ug/l	100
48) Methyl methacrylate	9.46	41	58136	47.220	ug/l	97
49) 1,4-Dioxane	9.46	88	17505	1047.742	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	352483	264.497	ug/l	99
52) Toluene	10.40	92	330017	54.750	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	169618	55.158	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	193153	54.567	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	96431	55.798	ug/l	90
56) Ethyl methacrylate	10.66	69	120048	54.853	ug/l	99
57) 1,3-Dichloropropane	10.94	76	159665	53.997	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	205571	218.526	ug/l	99
59) 2-Hexanone	10.98	43	262641	272.448	ug/l	99
60) Dibromochloromethane	11.14	129	123149	54.734	ug/l	98
61) 1,2-Dibromoethane	11.24	107	92146	54.998	ug/l	97
64) Tetrachloroethene	10.87	164	121447	53.586	ug/l	96
65) Chlorobenzene	11.67	112	370049	55.503	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	132680	54.007	ug/l	99
67) Ethyl Benzene	11.74	91	662072	55.071	ug/l	94
68) m/p-Xylenes	11.86	106	521383	112.359	ug/l	98
69) o-Xylene	12.18	106	244792	55.092	ug/l	96
70) Styrene	12.19	104	418665	55.659	ug/l	99
71) Bromoform	12.36	173	76398	57.945	ug/l #	96
73) Isopropylbenzene	12.48	105	657128	54.075	ug/l	99
74) N-amyl acetate	12.29	43	135042	51.614	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	110192	52.109	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	64677m	53.419	ug/l	
77) Bromobenzene	12.76	156	164124	54.208	ug/l	96
78) n-propylbenzene	12.82	91	782171	54.835	ug/l	99
79) 2-Chlorotoluene	12.91	91	419387	53.322	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	559059	55.143	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	36265	53.004	ug/l	97
82) 4-Chlorotoluene	13.00	91	443572	53.164	ug/l	100
83) tert-Butylbenzene	13.22	119	502256	55.665	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	573240	54.846	ug/l	100
85) sec-Butylbenzene	13.40	105	677419	55.594	ug/l	99
86) p-Isopropyltoluene	13.51	119	656059	56.898	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	330880	55.310	ug/l	98
88) 1,4-Dichlorobenzene	13.59	146	322791	54.694	ug/l	99
89) n-Butylbenzene	13.84	91	608307	56.677	ug/l	97
90) Hexachloroethane	14.11	117	117350	56.587	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	286052	55.485	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.50	75	18902	57.920	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	216887	54.522	ug/l	98
94) Hexachlorobutadiene	15.27	225	123062	56.060	ug/l	98
95) Naphthalene	15.40	128	379341	56.736	ug/l	100
96) 1,2,3-Trichlorobenzene	15.59	180	196173	57.157	ug/l	97

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

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