

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110819\
 Data File : VD064172.D
 Acq On : 08 Nov 2019 23:30
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 11:06:29 AM

Quant Time: Nov 11 08:34:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 11 08:23:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	711907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1084275	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	957556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	474318	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	338535	57.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.64%	
35) Dibromofluoromethane	7.92	113	321702	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
50) Toluene-d8	10.34	98	1194409	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
62) 4-Bromofluorobenzene	12.64	95	410030	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	261614	44.309	ug/l	97
3) Chloromethane	2.21	50	335193	52.927	ug/l	100
4) Vinyl Chloride	2.36	62	348738	51.493	ug/l	96
5) Bromomethane	2.77	94	254103	59.418	ug/l	95
6) Chloroethane	2.93	64	240518	55.579	ug/l	99
7) Trichlorofluoromethane	3.28	101	560219	51.021	ug/l	100
8) Diethyl Ether	3.71	74	164553	54.503	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	287028	45.735	ug/l	98
10) Methyl Iodide	4.30	142	355660	49.660	ug/l	99
11) Tert butyl alcohol	5.24	59	114931	281.041	ug/l	97
12) 1,1-Dichloroethene	4.07	96	288414	48.214	ug/l	96
13) Acrolein	3.93	56	105680	305.469	ug/l	98
14) Allyl chloride	4.71	41	557210	52.683	ug/l	99
15) Acrylonitrile	5.43	53	359962	279.671	ug/l	100
16) Acetone	4.17	43	370161	266.868	ug/l	99
17) Carbon Disulfide	4.41	76	930158	49.930	ug/l	100
18) Methyl Acetate	4.73	43	211962	54.713	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	798609	55.922	ug/l	96
20) Methylene Chloride	4.97	84	353643	50.474	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	344563	50.840	ug/l	98
22) Diisopropyl ether	6.37	45	1081350	55.103	ug/l	97
23) Vinyl Acetate	6.31	43	3106074	283.944	ug/l	100
24) 1,1-Dichloroethane	6.27	63	607523	53.318	ug/l	99
25) 2-Butanone	7.22	43	490793	273.880	ug/l	100
26) 2,2-Dichloropropane	7.21	77	517577	46.318	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	391307	53.840	ug/l	97
28) Bromochloromethane	7.55	49	251197	63.322	ug/l	95
29) Tetrahydrofuran	7.57	42	304579	282.889	ug/l	99
30) Chloroform	7.71	83	632217	54.243	ug/l	97
31) Cyclohexane	7.99	56	512812	44.625	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	558655	50.057	ug/l	100
36) 1,1-Dichloropropene	8.11	75	461059	46.074	ug/l	99
37) Ethyl Acetate	7.30	43	219578	52.049	ug/l	98
38) Carbon Tetrachloride	8.10	117	490235	45.784	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	546854	43.187	ug/l	98
40) Benzene	8.36	78	1358113	49.658	ug/l	98
41) Methacrylonitrile	7.53	41	128474	48.453	ug/l	94
42) 1,2-Dichloroethane	8.43	62	423311	51.535	ug/l	100
43) Isopropyl Acetate	8.46	43	454354	52.271	ug/l	99
44) Trichloroethene	9.11	130	393938	47.992	ug/l	97
45) 1,2-Dichloropropane	9.39	63	336688	50.579	ug/l	99
46) Dibromomethane	9.48	93	184810	51.859	ug/l	99
47) Bromodichloromethane	9.67	83	492304	51.286	ug/l	100
48) Methyl methacrylate	9.46	41	211018	49.648	ug/l	96
49) 1,4-Dioxane	9.47	88	42058	982.663	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	1096691	263.103	ug/l	99
52) Toluene	10.41	92	875792	48.699	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	484048	50.333	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	568649	50.672	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	250991	51.917	ug/l	97
56) Ethyl methacrylate	10.67	69	345978	51.159	ug/l #	95
57) 1,3-Dichloropropane	10.95	76	441459	52.360	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	704336	257.112	ug/l	100
59) 2-Hexanone	10.99	43	758368	255.730	ug/l	100
60) Dibromochloromethane	11.14	129	343983	50.992	ug/l	99
61) 1,2-Dibromoethane	11.25	107	249858	51.600	ug/l	98
64) Tetrachloroethene	10.88	164	351055	47.669	ug/l	99
65) Chlorobenzene	11.67	112	940323	48.291	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	361780	48.862	ug/l	98
67) Ethyl Benzene	11.75	91	1658843	47.097	ug/l	100
68) m/p-Xylenes	11.86	106	1286897	95.323	ug/l	100
69) o-Xylene	12.18	106	605178	48.334	ug/l	100
70) Styrene	12.20	104	1068185	48.874	ug/l	100
71) Bromoform	12.37	173	210792	50.026	ug/l #	97
73) Isopropylbenzene	12.48	105	1568626	45.056	ug/l	99
74) N-amyl acetate	12.29	43	403121	49.033	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	259366	49.441	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	153970m	40.301	ug/l	
77) Bromobenzene	12.76	156	408674	48.318	ug/l	98
78) n-propylbenzene	12.83	91	1809408	45.490	ug/l	100
79) 2-Chlorotoluene	12.91	91	1050706	46.788	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	1320461	46.158	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	89043	46.296	ug/l	95
82) 4-Chlorotoluene	13.01	91	1118252	47.741	ug/l	98
83) tert-Butylbenzene	13.23	119	1145861	45.425	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	1337047	47.341	ug/l	99
85) sec-Butylbenzene	13.41	105	1510416	44.581	ug/l	100
86) p-Isopropyltoluene	13.52	119	1441052	44.740	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	744446	47.415	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	743547	48.523	ug/l	100
89) n-Butylbenzene	13.85	91	1304429	44.826	ug/l	100
90) Hexachloroethane	14.11	117	274679	46.144	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	649046	48.841	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	45269	48.264	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	488027	47.606	ug/l	99
94) Hexachlorobutadiene	15.27	225	289179	43.674	ug/l	99
95) Naphthalene	15.41	128	816268	48.575	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	419447	48.135	ug/l	99

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

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