

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112519\
 Data File : VD064352.D
 Acq On : 25 Nov 2019 10:50
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/26/2019 9:56:10 AM

Quant Time: Nov 26 05:43:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	576806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	801577	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	686086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	342511	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	225796	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
35) Dibromofluoromethane	7.91	113	232769	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
50) Toluene-d8	10.34	98	874727	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.64	95	282649	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	196645	41.106	ug/l	98
3) Chloromethane	2.21	50	246995	48.135	ug/l	100
4) Vinyl Chloride	2.35	62	320132	58.341	ug/l	97
5) Bromomethane	2.77	94	215080	62.073	ug/l	97
6) Chloroethane	2.92	64	219400	62.574	ug/l	99
7) Trichlorofluoromethane	3.27	101	557664	62.684	ug/l	95
8) Diethyl Ether	3.70	74	120038	49.072	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	271017	53.299	ug/l	97
10) Methyl Iodide	4.29	142	293796	50.591	ug/l	99
11) Tert butyl alcohol	5.26	59	73363	221.413	ug/l	98
12) 1,1-Dichloroethene	4.06	96	248686	51.310	ug/l	97
13) Acrolein	3.92	56	77195	275.396	ug/l	98
14) Allyl chloride	4.70	41	410742	47.930	ug/l	95
15) Acrylonitrile	5.43	53	265815	254.896	ug/l	98
16) Acetone	4.17	43	322891	287.313	ug/l	99
17) Carbon Disulfide	4.40	76	697494	46.210	ug/l	98
18) Methyl Acetate	4.72	43	151303	48.203	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	570493	49.306	ug/l	96
20) Methylene Chloride	4.96	84	257358	45.335	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	277327	50.504	ug/l	97
22) Diisopropyl ether	6.37	45	799247	50.267	ug/l	99
23) Vinyl Acetate	6.31	43	2258678	254.840	ug/l	100
24) 1,1-Dichloroethane	6.26	63	477091	51.678	ug/l	99
25) 2-Butanone	7.22	43	367384	253.032	ug/l	97
26) 2,2-Dichloropropane	7.20	77	459983	50.806	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	304447	51.700	ug/l	97
28) Bromochloromethane	7.54	49	176448	54.897	ug/l	100
29) Tetrahydrofuran	7.57	42	211396	242.330	ug/l	98
30) Chloroform	7.71	83	500512	53.001	ug/l	100
31) Cyclohexane	7.99	56	444371	47.727	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	473403	52.354	ug/l	99
36) 1,1-Dichloropropene	8.11	75	391600	52.934	ug/l	99
37) Ethyl Acetate	7.30	43	149144	47.822	ug/l	98
38) Carbon Tetrachloride	8.10	117	436037	55.084	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	485246	51.837	ug/l	97
40) Benzene	8.35	78	1068267	52.836	ug/l	96
41) Methacrylonitrile	7.53	41	95108	48.519	ug/l	92
42) 1,2-Dichloroethane	8.43	62	308081	50.734	ug/l	100
43) Isopropyl Acetate	8.46	43	313135	48.730	ug/l	99
44) Trichloroethene	9.11	130	320416	52.802	ug/l	98
45) 1,2-Dichloropropane	9.39	63	259160	52.663	ug/l	99
46) Dibromomethane	9.47	93	139657	53.010	ug/l	99
47) Bromodichloromethane	9.66	83	380474	53.614	ug/l	94
48) Methyl methacrylate	9.46	41	142095	45.222	ug/l	95
49) 1,4-Dioxane	9.47	88	33424	1056.351	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	768403	249.359	ug/l	99
52) Toluene	10.40	92	701274	52.748	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	359134	50.514	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	425827	51.328	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	189490	53.019	ug/l	97
56) Ethyl methacrylate	10.66	69	249937	49.992	ug/l	94
57) 1,3-Dichloropropane	10.95	76	323105	51.838	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	477685	235.873	ug/l	99
59) 2-Hexanone	10.99	43	570634	260.287	ug/l	99
60) Dibromochloromethane	11.14	129	259650	52.065	ug/l	99
61) 1,2-Dibromoethane	11.25	107	187583	52.402	ug/l	99
64) Tetrachloroethene	10.88	164	273147	51.765	ug/l	97
65) Chlorobenzene	11.67	112	736410	52.783	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	284376	53.605	ug/l	100
67) Ethyl Benzene	11.75	91	1369191	54.255	ug/l	100
68) m/p-Xylenes	11.86	106	1040922	107.611	ug/l	100
69) o-Xylene	12.18	106	477062	53.177	ug/l	100
70) Styrene	12.20	104	838819	53.565	ug/l	99
71) Bromoform	12.37	173	157883	52.295	ug/l	99
73) Isopropylbenzene	12.48	105	1328859	52.858	ug/l	99
74) N-amyl acetate	12.29	43	281368	47.394	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	194605	51.372	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	126875m	45.989	ug/l	
77) Bromobenzene	12.77	156	314384	51.474	ug/l	99
78) n-propylbenzene	12.83	91	1560687	54.336	ug/l	99
79) 2-Chlorotoluene	12.91	91	839023	51.739	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1092731	52.897	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	68064	49.007	ug/l	99
82) 4-Chlorotoluene	13.01	91	875954	51.788	ug/l	99
83) tert-Butylbenzene	13.23	119	963054	52.870	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	1084371	53.170	ug/l	100
85) sec-Butylbenzene	13.41	105	1322666	54.063	ug/l	99
86) p-Isopropyltoluene	13.53	119	1255688	53.987	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	603827	53.259	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	589168	53.245	ug/l	99
89) n-Butylbenzene	13.86	91	1139646	54.235	ug/l	99
90) Hexachloroethane	14.12	117	231746	53.913	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	510276	53.175	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	30704	45.333	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	391617	52.903	ug/l	99
94) Hexachlorobutadiene	15.28	225	258897	54.147	ug/l	99
95) Naphthalene	15.41	128	624040	51.426	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	335319	53.289	ug/l	98

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

