

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121119\
 Data File : VD064493.D
 Acq On : 11 Dec 2019 11:04
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

Manual Integrations
 APPROVED

apatel
 12/12/2019 10:28:58 AM

Quant Time: Dec 12 03:11:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	468416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	666050	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	581559	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288797	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	194817	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	
35) Dibromofluoromethane	7.91	113	205858	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
50) Toluene-d8	10.34	98	795551	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.64	95	247020	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	209382	49.333	ug/l	100
3) Chloromethane	2.21	50	260741	48.707	ug/l	96
4) Vinyl Chloride	2.35	62	322409	52.162	ug/l	99
5) Bromomethane	2.77	94	206232	45.119	ug/l	100
6) Chloroethane	2.93	64	207371	50.195	ug/l	97
7) Trichlorofluoromethane	3.27	101	549646	53.492	ug/l	96
8) Diethyl Ether	3.71	74	97177	45.512	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	233371	52.970	ug/l	96
10) Methyl Iodide	4.30	142	251528	54.062	ug/l	99
11) Tert butyl alcohol	5.25	59	60822	225.360	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	217695	51.561	ug/l	96
13) Acrolein	3.92	56	88326	239.937	ug/l	100
14) Allyl chloride	4.71	41	334890	50.825	ug/l	99
15) Acrylonitrile	5.43	53	209539	224.417	ug/l	98
16) Acetone	4.17	43	247295	288.630	ug/l	99
17) Carbon Disulfide	4.40	76	675777	50.537	ug/l	98
18) Methyl Acetate	4.73	43	106263	42.519	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	442730	45.714	ug/l	98
20) Methylene Chloride	4.96	84	224526	51.729	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	239227	50.091	ug/l	99
22) Diisopropyl ether	6.37	45	628920	48.350	ug/l	97
23) Vinyl Acetate	6.31	43	1830139	238.658	ug/l	99
24) 1,1-Dichloroethane	6.26	63	398998	51.006	ug/l	98
25) 2-Butanone	7.22	43	283789	234.212	ug/l	95
26) 2,2-Dichloropropane	7.20	77	376881	55.399	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	252162	48.430	ug/l	94
28) Bromochloromethane	7.54	49	134313	50.241	ug/l	98
29) Tetrahydrofuran	7.57	42	166328	215.759	ug/l	99
30) Chloroform	7.71	83	406119	50.129	ug/l	99
31) Cyclohexane	7.98	56	386479	57.254	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	393225	52.353	ug/l	100
36) 1,1-Dichloropropene	8.11	75	337852	53.628	ug/l	99
37) Ethyl Acetate	7.30	43	123771	46.301	ug/l	98
38) Carbon Tetrachloride	8.09	117	367692	55.300	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	425038	54.389	ug/l	100
40) Benzene	8.35	78	902928	51.603	ug/l	99
41) Methacrylonitrile	7.53	41	74597	48.660	ug/l	95
42) 1,2-Dichloroethane	8.43	62	252378	49.459	ug/l	99
43) Isopropyl Acetate	8.46	43	239351	45.539	ug/l	98
44) Trichloroethene	9.11	130	270277	51.279	ug/l	97
45) 1,2-Dichloropropane	9.39	63	214937	51.363	ug/l	100
46) Dibromomethane	9.47	93	115235	48.791	ug/l	99
47) Bromodichloromethane	9.66	83	311409	51.315	ug/l	98
48) Methyl methacrylate	9.46	41	110700	46.027	ug/l	94
49) 1,4-Dioxane	9.47	88	25846	886.198	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	596132	229.227	ug/l	100
52) Toluene	10.40	92	591426	51.865	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	287400	49.692	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	349332	50.843	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	155664	48.134	ug/l	98
56) Ethyl methacrylate	10.66	69	193934	47.017	ug/l	98
57) 1,3-Dichloropropane	10.95	76	263405	47.847	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	359701	218.757	ug/l	100
59) 2-Hexanone	10.98	43	438051	242.749	ug/l	99
60) Dibromochloromethane	11.14	129	212376	48.434	ug/l	98
61) 1,2-Dibromoethane	11.25	107	151157	46.812	ug/l	99
64) Tetrachloroethene	10.87	164	236830	53.402	ug/l	93
65) Chlorobenzene	11.67	112	613484	50.578	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	232097	51.690	ug/l	100
67) Ethyl Benzene	11.74	91	1141336	52.886	ug/l	98
68) m/p-Xylenes	11.86	106	881165	107.085	ug/l	100
69) o-Xylene	12.18	106	400517	52.702	ug/l	99
70) Styrene	12.20	104	683376	51.746	ug/l	100
71) Bromoform	12.36	173	128433	47.809	ug/l #	97
73) Isopropylbenzene	12.48	105	1106877	53.291	ug/l	100
74) N-amyl acetate	12.29	43	220779	46.833	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	156473	45.555	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	118338m	49.827	ug/l	
77) Bromobenzene	12.77	156	260008	50.692	ug/l	98
78) n-propylbenzene	12.83	91	1290427	53.846	ug/l	100
79) 2-Chlorotoluene	12.91	91	680289	51.589	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	891651	52.532	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	53052	48.708	ug/l	97
82) 4-Chlorotoluene	13.01	91	728757	52.196	ug/l	100
83) tert-Butylbenzene	13.23	119	796143	53.952	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	880306	51.578	ug/l	100
85) sec-Butylbenzene	13.41	105	1098982	54.263	ug/l	99
86) p-Isopropyltoluene	13.52	119	1030341	53.886	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	496192	50.969	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	481417	50.088	ug/l	99
89) n-Butylbenzene	13.85	91	945918	54.476	ug/l	99
90) Hexachloroethane	14.12	117	189310	52.935	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	413512	49.702	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25834	50.368	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	310965	48.804	ug/l	98
94) Hexachlorobutadiene	15.28	225	206066	52.387	ug/l	99
95) Naphthalene	15.41	128	484145	45.530	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	263617	48.468	ug/l	99

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

