

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121019\
 Data File : VD064484.D
 Acq On : 10 Dec 2019 11:43
 Operator : VA/SY
 Sample : VD1210SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBS01

Manual Integrations
 APPROVED

apatel
 12/11/2019 2:15:20 PM

Quant Time: Dec 11 01:03:52 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	467824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	679550	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	603025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	294015	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	200551	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	
35) Dibromofluoromethane	7.91	113	209236	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
50) Toluene-d8	10.34	98	800329	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
62) 4-Bromofluorobenzene	12.64	95	249601	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	94417	22.274	ug/l	98
3) Chloromethane	2.21	50	118073	22.084	ug/l	99
4) Vinyl Chloride	2.35	62	138643	22.459	ug/l	100
5) Bromomethane	2.76	94	93666	20.518	ug/l	99
6) Chloroethane	2.92	64	94917	23.004	ug/l	97
7) Trichlorofluoromethane	3.27	101	233809	22.783	ug/l	100
8) Diethyl Ether	3.70	74	43978	20.623	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	100628	22.869	ug/l	95
10) Methyl Iodide	4.29	142	97369	20.954	ug/l	100
11) Tert butyl alcohol	5.25	59	25818	95.783	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	93658	22.211	ug/l	98
13) Acrolein	3.93	56	29807	81.073	ug/l	99
14) Allyl chloride	4.70	41	144676	21.985	ug/l	99
15) Acrylonitrile	5.43	53	90961	97.543	ug/l	97
16) Acetone	4.17	43	84735	99.024	ug/l	97
17) Carbon Disulfide	4.40	76	298509	22.352	ug/l	100
18) Methyl Acetate	4.73	43	46349	18.569	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	193414	19.996	ug/l	99
20) Methylene Chloride	4.96	84	104761	21.566	ug/l	96
21) trans-1,2-Dichloroethene	5.46	96	106191	22.263	ug/l	96
22) Diisopropyl ether	6.36	45	270506	20.822	ug/l	96
23) Vinyl Acetate	6.31	43	772772	100.900	ug/l	99
24) 1,1-Dichloroethane	6.26	63	172930	22.134	ug/l	98
25) 2-Butanone	7.22	43	112696	93.126	ug/l	99
26) 2,2-Dichloropropane	7.20	77	156158	22.983	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	112194	21.575	ug/l	97
28) Bromochloromethane	7.54	49	42184	15.799	ug/l	99
29) Tetrahydrofuran	7.57	42	72599	94.294	ug/l	97
30) Chloroform	7.71	83	175988	21.750	ug/l	100
31) Cyclohexane	7.98	56	171513	22.634	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	166637	22.214	ug/l	99
36) 1,1-Dichloropropene	8.11	75	141849	22.069	ug/l	99
37) Ethyl Acetate	7.30	43	53345	19.559	ug/l	100
38) Carbon Tetrachloride	8.10	117	154767	22.814	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	173254	21.730	ug/l	99
40) Benzene	8.35	78	393817	22.060	ug/l	97
41) Methacrylonitrile	7.53	41	22676	14.498	ug/l #	66
42) 1,2-Dichloroethane	8.43	62	107766	20.700	ug/l	99
43) Isopropyl Acetate	8.46	43	103791	19.355	ug/l	97
44) Trichloroethene	9.11	130	116281	21.623	ug/l	98
45) 1,2-Dichloropropane	9.39	63	95145	22.285	ug/l	96
46) Dibromomethane	9.47	93	49635	20.598	ug/l	98
47) Bromodichloromethane	9.66	83	135296	21.851	ug/l	98
48) Methyl methacrylate	9.46	41	48428	19.735	ug/l	96
49) 1,4-Dioxane	9.46	88	10531	353.910	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	251976	94.966	ug/l	100
52) Toluene	10.40	92	252835	21.732	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	123057	20.854	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	147517	21.044	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	66444	20.137	ug/l	97
56) Ethyl methacrylate	10.66	69	79856	18.975	ug/l	98
57) 1,3-Dichloropropane	10.95	76	113991	20.295	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	157997	94.179	ug/l	100
59) 2-Hexanone	10.98	43	170837	92.790	ug/l	99
60) Dibromochloromethane	11.14	129	88069	19.686	ug/l	94
61) 1,2-Dibromoethane	11.25	107	64600	19.609	ug/l	98
64) Tetrachloroethene	10.88	164	99206	21.573	ug/l	95
65) Chlorobenzene	11.67	112	267787	21.292	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	99980	21.474	ug/l	99
67) Ethyl Benzene	11.75	91	481758	21.529	ug/l	98
68) m/p-Xylenes	11.86	106	367963	43.126	ug/l	100
69) o-Xylene	12.18	106	168068	21.328	ug/l	100
70) Styrene	12.20	104	286059	20.890	ug/l	99
71) Bromoform	12.37	173	54481	19.558	ug/l #	95
73) Isopropylbenzene	12.48	105	464172	21.951	ug/l	99
74) N-amyl acetate	12.29	43	92219	19.215	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	68036	19.456	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	41592m	17.202	ug/l	
77) Bromobenzene	12.77	156	110110	21.086	ug/l	99
78) n-propylbenzene	12.83	91	538380	22.066	ug/l	100
79) 2-Chlorotoluene	12.91	91	294617	21.945	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	377062	21.820	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	22525	20.314	ug/l	97
82) 4-Chlorotoluene	13.01	91	305794	21.513	ug/l	99
83) tert-Butylbenzene	13.23	119	330937	22.029	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	368076	21.183	ug/l	99
85) sec-Butylbenzene	13.41	105	450592	21.853	ug/l	99
86) p-Isopropyltoluene	13.53	119	417694	21.457	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	205344	20.719	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	206197	21.073	ug/l	99
89) n-Butylbenzene	13.85	91	387063	21.896	ug/l	100
90) Hexachloroethane	14.12	117	81027	22.255	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	178414	21.064	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11348	19.002	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	130153	20.064	ug/l	100
94) Hexachlorobutadiene	15.28	225	86184	21.521	ug/l	98
95) Naphthalene	15.41	128	200401	18.511	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	112657	20.345	ug/l	98

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

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