

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020520\
 Data File : VD065068.D
 Acq On : 05 Feb 2020 17:14
 Operator : VA/SY
 Sample : VD0205SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0205SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 10:37:28 AM

Quant Time: Feb 06 05:51:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	533053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	809499	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	731931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	352138	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	254487	56.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.34%	
35) Dibromofluoromethane	7.92	113	244940	54.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.46%	
50) Toluene-d8	10.34	98	959893	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	
62) 4-Bromofluorobenzene	12.64	95	306280	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	89134	20.094	ug/l	99
3) Chloromethane	2.21	50	120856	23.145	ug/l	96
4) Vinyl Chloride	2.35	62	118339	21.429	ug/l	98
5) Bromomethane	2.76	94	78494	21.921	ug/l	100
6) Chloroethane	2.92	64	75812	22.131	ug/l	99
7) Trichlorofluoromethane	3.27	101	173550	21.595	ug/l	93
8) Diethyl Ether	3.70	74	50041	21.690	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	102887	20.942	ug/l	99
10) Methyl Iodide	4.30	142	96496	17.208	ug/l	97
11) Tert butyl alcohol	5.26	59	33553	121.214	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	98043	20.837	ug/l	97
13) Acrolein	3.92	56	35977	105.670	ug/l	97
14) Allyl chloride	4.71	41	165970	21.223	ug/l	99
15) Acrylonitrile	5.43	53	107350	106.428	ug/l	98
16) Acetone	4.16	43	111709	98.622	ug/l	95
17) Carbon Disulfide	4.40	76	309207	20.467	ug/l	100
18) Methyl Acetate	4.73	43	52331	22.113	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	225933	21.714	ug/l	98
20) Methylene Chloride	4.96	84	118486	21.512	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	112326	21.100	ug/l	96
22) Diisopropyl ether	6.37	45	323711	21.945	ug/l	98
23) Vinyl Acetate	6.31	43	883583	107.468	ug/l	99
24) 1,1-Dichloroethane	6.26	63	190572	21.344	ug/l	99
25) 2-Butanone	7.22	43	138871	102.780	ug/l	96
26) 2,2-Dichloropropane	7.21	77	167973	20.989	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	121654	21.510	ug/l	99
28) Bromochloromethane	7.55	49	69425	20.513	ug/l	100
29) Tetrahydrofuran	7.57	42	87042	106.527	ug/l	99
30) Chloroform	7.71	83	191447	21.535	ug/l	100
31) Cyclohexane	7.98	56	181524	20.141	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	174741	21.101	ug/l	98
36) 1,1-Dichloropropene	8.11	75	151614	20.142	ug/l	100
37) Ethyl Acetate	7.30	43	64065	20.833	ug/l	99
38) Carbon Tetrachloride	8.10	117	155690	20.252	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	185324	19.947	ug/l	97
40) Benzene	8.35	78	435222	20.938	ug/l	96
41) Methacrylonitrile	7.53	41	42104	24.853	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	125486	21.187	ug/l	99
43) Isopropyl Acetate	8.46	43	123803	21.046	ug/l	99
44) Trichloroethene	9.11	130	119910	20.098	ug/l	95
45) 1,2-Dichloropropane	9.39	63	105655	21.200	ug/l	99
46) Dibromomethane	9.48	93	55238	21.093	ug/l	98
47) Bromodichloromethane	9.67	83	149275	21.633	ug/l	99
48) Methyl methacrylate	9.46	41	55747	19.694	ug/l	97
49) 1,4-Dioxane	9.47	88	12725	410.249	ug/l	93
51) 4-Methyl-2-Pentanone	10.24	43	299756	103.527	ug/l	98
52) Toluene	10.41	92	276900	20.872	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	142721	21.244	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	169657	21.114	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	76044	21.170	ug/l	94
56) Ethyl methacrylate	10.67	69	95198	20.946	ug/l	99
57) 1,3-Dichloropropane	10.95	76	133645	21.159	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	149468	89.590	ug/l	98
59) 2-Hexanone	10.99	43	212009	103.373	ug/l	99
60) Dibromochloromethane	11.15	129	100530	21.607	ug/l	99
61) 1,2-Dibromoethane	11.25	107	75141	21.409	ug/l	99
64) Tetrachloroethene	10.88	164	106500	20.250	ug/l	98
65) Chlorobenzene	11.68	112	291915	20.620	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	107891	20.649	ug/l	99
67) Ethyl Benzene	11.75	91	522439	20.313	ug/l	98
68) m/p-Xylenes	11.86	106	397865	40.530	ug/l	99
69) o-Xylene	12.19	106	178094	20.146	ug/l	97
70) Styrene	12.20	104	315377	20.527	ug/l	100
71) Bromoform	12.37	173	57587	20.477	ug/l #	98
73) Isopropylbenzene	12.48	105	484206	20.034	ug/l	100
74) N-amyl acetate	12.30	43	106555	20.283	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	78608	20.665	ug/l	100
76) 1,2,3-Trichloropropane	12.80	75	57276m	21.483	ug/l	
77) Bromobenzene	12.77	156	116753	20.050	ug/l	97
78) n-propylbenzene	12.83	91	583164	20.603	ug/l	99
79) 2-Chlorotoluene	12.91	91	321916	20.404	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	405928	20.529	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	25989	19.495	ug/l	95
82) 4-Chlorotoluene	13.01	91	341436	20.606	ug/l	99
83) tert-Butylbenzene	13.23	119	340201	19.943	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	396862	20.217	ug/l	99
85) sec-Butylbenzene	13.41	105	469177	20.137	ug/l	100
86) p-Isopropyltoluene	13.53	119	436205	20.150	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	222720	20.428	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	224113	20.653	ug/l	98
89) n-Butylbenzene	13.86	91	400578	20.048	ug/l	99
90) Hexachloroethane	14.13	117	84370	20.582	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	196445	21.036	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	12998	20.932	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	137798	20.645	ug/l	99
94) Hexachlorobutadiene	15.28	225	82204	20.030	ug/l	99
95) Naphthalene	15.41	128	220003	19.831	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	116816	20.461	ug/l	98

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

