

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031620\
 Data File : VD065512.D
 Acq On : 16 Mar 2020 14:48
 Operator : VA/SY
 Sample : VD0316SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/17/2020 12:09:55 PM

Quant Time: Mar 17 07:39:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	469583	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	680789	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	617666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	309718	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	200612	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
35) Dibromofluoromethane	7.92	113	214618	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
50) Toluene-d8	10.34	98	826762	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
62) 4-Bromofluorobenzene	12.64	95	269087	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	89262	22.118	ug/l	99
3) Chloromethane	2.21	50	102369	21.010	ug/l	98
4) Vinyl Chloride	2.36	62	104037	21.648	ug/l	95
5) Bromomethane	2.77	94	71585	24.105	ug/l	96
6) Chloroethane	2.93	64	64693	21.979	ug/l	98
7) Trichlorofluoromethane	3.28	101	153071	21.616	ug/l	98
8) Diethyl Ether	3.71	74	46634	22.145	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	98690	21.639	ug/l	99
10) Methyl Iodide	4.30	142	105693	22.307	ug/l	99
11) Tert butyl alcohol	5.24	59	21601	93.491	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	91774	21.014	ug/l	93
13) Acrolein	3.93	56	26392	66.233	ug/l	97
14) Allyl chloride	4.71	41	138925	20.708	ug/l	99
15) Acrylonitrile	5.44	53	91620	100.006	ug/l	97
16) Acetone	4.17	43	73975	90.807	ug/l	94
17) Carbon Disulfide	4.41	76	295185	20.297	ug/l	100
18) Methyl Acetate	4.72	43	43764	21.178	ug/l	94
19) Methyl tert-butyl Ether	5.49	73	174757	20.809	ug/l	98
20) Methylene Chloride	4.97	84	112485	23.602	ug/l	99
21) trans-1,2-Dichloroethene	5.48	96	105152	21.645	ug/l	98
22) Diisopropyl ether	6.37	45	277435	22.246	ug/l	98
23) Vinyl Acetate	6.31	43	709485	102.458	ug/l	98
24) 1,1-Dichloroethane	6.27	63	176132	22.019	ug/l	97
25) 2-Butanone	7.23	43	106133	95.469	ug/l	97
26) 2,2-Dichloropropane	7.21	77	153984	22.028	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	109634	22.078	ug/l	97
28) Bromochloromethane	7.55	49	69927	21.850	ug/l	99
29) Tetrahydrofuran	7.58	42	68785	96.888	ug/l	98
30) Chloroform	7.71	83	177127	22.154	ug/l	95
31) Cyclohexane	7.98	56	161021	20.131	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	160006	21.656	ug/l	98
36) 1,1-Dichloropropene	8.12	75	138709	21.255	ug/l	99
37) Ethyl Acetate	7.30	43	52132	20.668	ug/l	98
38) Carbon Tetrachloride	8.10	117	148591	21.958	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	162006	20.555	ug/l	95
40) Benzene	8.36	78	405331	22.215	ug/l	100
41) Methacrylonitrile	7.53	41	26431	19.814	ug/l	92
42) 1,2-Dichloroethane	8.43	62	102169	21.444	ug/l	100
43) Isopropyl Acetate	8.46	43	92533	19.868	ug/l	97
44) Trichloroethene	9.11	130	114001	22.124	ug/l	99
45) 1,2-Dichloropropane	9.39	63	99888	22.600	ug/l	98
46) Dibromomethane	9.48	93	49147	21.438	ug/l	95
47) Bromodichloromethane	9.67	83	132526	22.220	ug/l	98
48) Methyl methacrylate	9.46	41	43052	19.652	ug/l	99
49) 1,4-Dioxane	9.47	88	10526	401.398	ug/l #	94
51) 4-Methyl-2-Pentanone	10.23	43	241701	103.130	ug/l	98
52) Toluene	10.41	92	259517	22.578	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	120765	21.667	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	148109	21.954	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	70022	21.565	ug/l	98
56) Ethyl methacrylate	10.67	69	73237	20.007	ug/l	99
57) 1,3-Dichloropropane	10.95	76	121379	22.093	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	113049	100.132	ug/l	99
59) 2-Hexanone	10.99	43	159659	98.411	ug/l	98
60) Dibromochloromethane	11.14	129	93513	22.467	ug/l	100
61) 1,2-Dibromoethane	11.25	107	68128	21.997	ug/l	98
64) Tetrachloroethene	10.88	164	97891	22.118	ug/l	98
65) Chlorobenzene	11.67	112	269799	22.073	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	103510	23.252	ug/l	96
67) Ethyl Benzene	11.75	91	460847	21.821	ug/l	99
68) m/p-Xylenes	11.86	106	368443	45.244	ug/l	100
69) o-Xylene	12.18	106	160108	22.351	ug/l	100
70) Styrene	12.20	104	287098	22.773	ug/l	99
71) Bromoform	12.37	173	54167	21.663	ug/l #	98
73) Isopropylbenzene	12.48	105	434681	21.338	ug/l	99
74) N-amyl acetate	12.30	43	81711	19.592	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	73879	20.632	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	58836m	24.074	ug/l	
77) Bromobenzene	12.77	156	112196	22.167	ug/l	98
78) n-propylbenzene	12.83	91	529238	21.896	ug/l	100
79) 2-Chlorotoluene	12.91	91	297128	21.812	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	366003	21.854	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	24170	20.870	ug/l	98
82) 4-Chlorotoluene	13.01	91	311962	21.793	ug/l	99
83) tert-Butylbenzene	13.23	119	298169	21.044	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	364645	22.088	ug/l	100
85) sec-Butylbenzene	13.41	105	432157	21.368	ug/l	99
86) p-Isopropyltoluene	13.53	119	403121	21.844	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	211694	21.755	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	210989	21.797	ug/l	99
89) n-Butylbenzene	13.85	91	358360	21.004	ug/l	99
90) Hexachloroethane	14.12	117	79900	21.023	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	179472	21.673	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10942	20.064	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	119598	21.309	ug/l	100
94) Hexachlorobutadiene	15.28	225	79012	21.425	ug/l	96
95) Naphthalene	15.41	128	178797	20.706	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	105963	21.848	ug/l	100

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

