

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013020\
 Data File : VD065005.D
 Acq On : 30 Jan 2020 11:27
 Operator : VA/SY
 Sample : VD0130SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/31/2020 4:25:38 PM

Quant Time: Jan 30 12:38:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	455862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	672297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	581945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	279770	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	197522	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	
35) Dibromofluoromethane	7.92	113	199969	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	
50) Toluene-d8	10.34	98	761722	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	
62) 4-Bromofluorobenzene	12.64	95	233285	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	76130	22.168	ug/l 99
3) Chloromethane	2.21	50	102190	20.303	ug/l 99
4) Vinyl Chloride	2.35	62	119270	20.631	ug/l 100
5) Bromomethane	2.76	94	81287	20.903	ug/l 100
6) Chloroethane	2.92	64	78250	20.531	ug/l 100
7) Trichlorofluoromethane	3.27	101	185318	20.756	ug/l 96
8) Diethyl Ether	3.71	74	39309	19.503	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	90994	21.906	ug/l 98
10) Methyl Iodide	4.30	142	86831	19.693	ug/l 99
11) Tert butyl alcohol	5.25	59	24124	99.835	ug/l 96
12) 1,1-Dichloroethene	4.06	96	83604	21.069	ug/l 96
13) Acrolein	3.93	56	23108	76.284	ug/l 100
14) Allyl chloride	4.71	41	135340	21.385	ug/l 99
15) Acrylonitrile	5.43	53	87141	99.840	ug/l 99
16) Acetone	4.17	43	93806	90.002	ug/l 97
17) Carbon Disulfide	4.40	76	274338	21.006	ug/l 100
18) Methyl Acetate	4.72	43	44972	21.960	ug/l 96
19) Methyl tert-butyl Ether	5.48	73	173117	19.525	ug/l 97
20) Methylene Chloride	4.96	84	99262	19.432	ug/l 95
21) trans-1,2-Dichloroethene	5.46	96	95289	20.843	ug/l 95
22) Diisopropyl ether	6.37	45	260512	20.654	ug/l 98
23) Vinyl Acetate	6.31	43	706540	95.676	ug/l 99
24) 1,1-Dichloroethane	6.27	63	163228	21.078	ug/l 98
25) 2-Butanone	7.21	43	115240	97.550	ug/l 100
26) 2,2-Dichloropropane	7.20	77	153261	21.819	ug/l 98
27) cis-1,2-Dichloroethene	7.21	96	101200	20.739	ug/l 98
28) Bromochloromethane	7.55	49	50594	16.336	ug/l 97
29) Tetrahydrofuran	7.57	42	68591	94.103	ug/l 99
30) Chloroform	7.71	83	166557	20.806	ug/l 97
31) Cyclohexane	7.98	56	158788	20.843	ug/l 96
32) 1,1,1-Trichloroethane	7.90	97	159042	21.356	ug/l 99
36) 1,1-Dichloropropene	8.11	75	136444	21.047	ug/l 98
37) Ethyl Acetate	7.30	43	51482	19.226	ug/l 98
38) Carbon Tetrachloride	8.10	117	145760	21.272	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	158291	20.885	ug/l	97
40) Benzene	8.36	78	365959	20.497	ug/l	97
41) Methacrylonitrile	7.53	41	31128	21.579	ug/l	97
42) 1,2-Dichloroethane	8.43	62	106635	20.049	ug/l	99
43) Isopropyl Acetate	8.46	43	95963	18.866	ug/l	97
44) Trichloroethene	9.11	130	103846	20.782	ug/l	97
45) 1,2-Dichloropropane	9.39	63	90000	20.793	ug/l	99
46) Dibromomethane	9.48	93	46425	19.646	ug/l	99
47) Bromodichloromethane	9.66	83	128244	20.856	ug/l #	96
48) Methyl methacrylate	9.46	41	47682	20.370	ug/l	97
49) 1,4-Dioxane	9.47	88	10024	365.747	ug/l #	86
51) 4-Methyl-2-Pentanone	10.23	43	240137	94.352	ug/l	99
52) Toluene	10.41	92	234023	20.330	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	115414	19.704	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	139986	20.413	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	62092	19.507	ug/l	99
56) Ethyl methacrylate	10.66	69	73402	19.284	ug/l	100
57) 1,3-Dichloropropane	10.95	76	112256	20.561	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	123536	97.689	ug/l	98
59) 2-Hexanone	10.99	43	167134	95.203	ug/l	97
60) Dibromochloromethane	11.14	129	84533	19.869	ug/l	97
61) 1,2-Dibromoethane	11.25	107	60722	19.811	ug/l	99
64) Tetrachloroethene	10.88	164	92081	21.896	ug/l	92
65) Chlorobenzene	11.67	112	251857	21.315	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	91823	20.664	ug/l	99
67) Ethyl Benzene	11.75	91	439932	20.972	ug/l	98
68) m/p-Xylenes	11.86	106	341907	42.333	ug/l	99
69) o-Xylene	12.18	106	146840	20.486	ug/l	99
70) Styrene	12.20	104	268518	21.029	ug/l	99
71) Bromoform	12.37	173	48350	19.574	ug/l #	98
73) Isopropylbenzene	12.48	105	416091	21.760	ug/l	100
74) N-amyl acetate	12.30	43	85024	19.871	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	67593	21.032	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	51069m	21.992	ug/l	
77) Bromobenzene	12.77	156	99635	21.296	ug/l	100
78) n-propylbenzene	12.83	91	503166	22.126	ug/l	99
79) 2-Chlorotoluene	12.91	91	272591	21.851	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	343449	21.917	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	22053	20.278	ug/l	94
82) 4-Chlorotoluene	13.01	91	286896	21.685	ug/l	99
83) tert-Butylbenzene	13.23	119	287136	21.592	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	341036	21.483	ug/l	98
85) sec-Butylbenzene	13.41	105	405018	21.510	ug/l	99
86) p-Isopropyltoluene	13.53	119	377749	21.439	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	185939	20.713	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	184147	20.668	ug/l	98
89) n-Butylbenzene	13.85	91	350920	21.824	ug/l	99
90) Hexachloroethane	14.12	117	75773	22.301	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	160492	21.059	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10650	20.707	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	108918	20.658	ug/l	98
94) Hexachlorobutadiene	15.28	225	69171	20.741	ug/l	99
95) Naphthalene	15.41	128	163936	19.266	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	91964	20.117	ug/l	99

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

