

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065420.D
 Acq On : 04 Mar 2020 19:38
 Operator : VA/SY
 Sample : L1161-02 5PPBL00
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0307

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:39:19 PM

Quant Time: Mar 05 02:46:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 02:35:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	425382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	658053	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	602798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	293621	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	209664	57.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.92%	
35) Dibromofluoromethane	7.92	113	216550	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	
50) Toluene-d8	10.34	98	817911	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
62) 4-Bromofluorobenzene	12.64	95	258836	53.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	19033	5.206	ug/l	99
3) Chloromethane	2.21	50	23864	5.407	ug/l	99
4) Vinyl Chloride	2.35	62	23192	5.327	ug/l	89
5) Bromomethane	2.77	94	16422	5.899	ug/l	95
6) Chloroethane	2.92	64	15100	5.663	ug/l	96
7) Trichlorofluoromethane	3.27	101	36521	5.693	ug/l	99
8) Diethyl Ether	3.71	74	11247	5.896	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	22594	5.469	ug/l	99
10) Methyl Iodide	4.30	142	20398	4.752	ug/l	98
11) Tert butyl alcohol	5.26	59	5856	27.979	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	21475	5.428	ug/l	98
13) Acrolein	3.92	56	8679	24.044	ug/l	92
14) Allyl chloride	4.71	41	33340	5.486	ug/l	99
15) Acrylonitrile	5.43	53	23560	28.389	ug/l	98
16) Acetone	4.17	43	20582	27.890	ug/l	98
17) Carbon Disulfide	4.40	76	72097	5.472	ug/l	100
18) Methyl Acetate	4.73	43	11569	6.180	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	41227	5.419	ug/l	97
20) Methylene Chloride	4.96	84	33976	7.442	ug/l	94
21) trans-1,2-Dichloroethene	5.46	96	24758	5.626	ug/l	86
22) Diisopropyl ether	6.37	45	59203	5.240	ug/l	97
23) Vinyl Acetate	6.31	43	150444	23.983	ug/l	99
24) 1,1-Dichloroethane	6.26	63	41225	5.689	ug/l	98
25) 2-Butanone	7.23	43	25682	25.502	ug/l	95
26) 2,2-Dichloropropane	7.20	77	33658	5.315	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	25152	5.591	ug/l	99
28) Bromochloromethane	7.55	49	16819	5.801	ug/l	99
29) Tetrahydrofuran	7.57	42	17384	27.031	ug/l	95
30) Chloroform	7.71	83	42953	5.930	ug/l	100
31) Cyclohexane	7.99	56	41144	5.678	ug/l #	86
32) 1,1,1-Trichloroethane	7.90	97	37237	5.563	ug/l	99
36) 1,1-Dichloropropene	8.12	75	32464	5.147	ug/l	98
37) Ethyl Acetate	7.30	43	11241	4.611	ug/l #	95
38) Carbon Tetrachloride	8.10	117	33831	5.172	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	33793	4.436	ug/l #	85
40) Benzene	8.35	78	95845	5.434	ug/l	95
41) Methacrylonitrile	7.53	41	6012	4.663	ug/l	93
42) 1,2-Dichloroethane	8.43	62	27144	5.894	ug/l	98
43) Isopropyl Acetate	8.46	43	24177	5.371	ug/l	99
44) Trichloroethene	9.11	130	25925	5.205	ug/l	96
45) 1,2-Dichloropropane	9.39	63	22688	5.311	ug/l	97
46) Dibromomethane	9.48	93	12421	5.605	ug/l	99
47) Bromodichloromethane	9.66	83	31567	5.476	ug/l	95
48) Methyl methacrylate	9.46	41	10852	5.125	ug/l	96
49) 1,4-Dioxane	9.47	88	2611	103.008	ug/l #	85
51) 4-Methyl-2-Pentanone	10.23	43	56851	25.096	ug/l	96
52) Toluene	10.40	92	59629	5.367	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	27900	5.179	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	32470	4.979	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	18295	5.829	ug/l	91
56) Ethyl methacrylate	10.67	69	16746	4.733	ug/l	94
57) 1,3-Dichloropropane	10.95	76	29423	5.541	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	24390	21.375	ug/l	96
59) 2-Hexanone	10.99	43	37533	23.934	ug/l	100
60) Dibromochloromethane	11.14	129	23504	5.842	ug/l	98
61) 1,2-Dibromoethane	11.25	107	17256	5.764	ug/l	91
64) Tetrachloroethene	10.88	164	23122	5.353	ug/l	96
65) Chlorobenzene	11.67	112	63774	5.346	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	24473	5.633	ug/l	96
67) Ethyl Benzene	11.75	91	99636	4.834	ug/l	97
68) m/p-Xylenes	11.86	106	75532	9.504	ug/l	97
69) o-Xylene	12.18	106	32988	4.719	ug/l	100
70) Styrene	12.20	104	55844	4.539	ug/l	97
71) Bromoform	12.37	173	13396	5.490	ug/l #	99
73) Isopropylbenzene	12.48	105	87049	4.507	ug/l	100
74) N-amyl acetate	12.30	43	19222	4.862	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	19696	5.802	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	11782m	5.085	ug/l	
77) Bromobenzene	12.77	156	26449	5.512	ug/l	97
78) n-propylbenzene	12.83	91	115353	5.034	ug/l	98
79) 2-Chlorotoluene	12.91	91	66137	5.121	ug/l	96
80) 1,3,5-Trimethylbenzene	12.97	105	73003	4.598	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	5221	4.755	ug/l	99
82) 4-Chlorotoluene	13.01	91	68843	5.073	ug/l	100
83) tert-Butylbenzene	13.23	119	62319	4.639	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	73548	4.699	ug/l	99
85) sec-Butylbenzene	13.41	105	87716	4.575	ug/l	99
86) p-Isopropyltoluene	13.53	119	76619	4.379	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	49158	5.329	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	49938	5.442	ug/l	94
89) n-Butylbenzene	13.86	91	74566	4.610	ug/l	97
90) Hexachloroethane	14.12	117	18518	5.140	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	43647	5.560	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	3142	6.077	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	25803	4.849	ug/l	97
94) Hexachlorobutadiene	15.28	225	17548	5.019	ug/l	95
95) Naphthalene	15.41	128	37374	4.392	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	22994	5.001	ug/l	100

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

