

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065419.D
 Acq On : 04 Mar 2020 19:10
 Operator : VA/SY
 Sample : L1161-01 4PPBLOD
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:39:16 PM

Quant Time: Mar 05 02:43:18 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	7.98	168	373315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	591408	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	553850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	273554	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	210955	65.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.76%	
35) Dibromofluoromethane	7.92	113	209191	57.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.40%	
50) Toluene-d8	10.34	98	784704	55.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.86%	
62) 4-Bromofluorobenzene	12.64	95	253178	58.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.90%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	13633	4.249 ug/l	90
3) Chloromethane	2.21	50	18133	4.681 ug/l	96
4) Vinyl Chloride	2.35	62	17477	4.574 ug/l	97
5) Bromomethane	2.77	94	14472	5.924 ug/l	89
6) Chloroethane	2.93	64	11191	4.783 ug/l	90
7) Trichlorofluoromethane	3.27	101	26237	4.660 ug/l	92
8) Diethyl Ether	3.71	74	9521	5.687 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	16922	4.667 ug/l	97
10) Methyl Iodide	4.29	142	15666	4.159 ug/l #	76
11) Tert butyl alcohol	5.24	59	5561	30.275 ug/l #	76
12) 1,1-Dichloroethene	4.07	96	16399	4.723 ug/l	83
13) Acrolein	3.92	56	8107	25.592 ug/l	97
14) Allyl chloride	4.71	41	24520	4.597 ug/l	98
15) Acrylonitrile	5.43	53	18943	26.009 ug/l	97
16) Acetone	4.17	43	18992	29.325 ug/l	97
17) Carbon Disulfide	4.40	76	54670	4.728 ug/l	99
18) Methyl Acetate	4.73	43	8703	5.298 ug/l #	84
19) Methyl tert-butyl Ether	5.49	73	31924	4.781 ug/l	99
20) Methylene Chloride	4.97	84	25589	6.387 ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	18023	4.667 ug/l	86
22) Diisopropyl ether	6.37	45	45509	4.590 ug/l	99
23) Vinyl Acetate	6.31	43	118689	21.560 ug/l	97
24) 1,1-Dichloroethane	6.26	63	31597	4.969 ug/l	95
25) 2-Butanone	7.23	43	22611	25.584 ug/l #	87
26) 2,2-Dichloropropane	7.21	77	25950	4.670 ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	18845	4.774 ug/l	98
28) Bromochloromethane	7.56	49	13087	5.144 ug/l	96
29) Tetrahydrofuran	7.58	42	13983	24.775 ug/l	95
30) Chloroform	7.71	83	33330	5.244 ug/l	97
31) Cyclohexane	7.98	56	32285	5.077 ug/l #	74
32) 1,1,1-Trichloroethane	7.91	97	26131	4.449 ug/l	98
36) 1,1-Dichloropropene	8.11	75	23358	4.120 ug/l	98
37) Ethyl Acetate	7.30	43	10622	4.848 ug/l #	93
38) Carbon Tetrachloride	8.10	117	25507	4.339 ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	25761	3.762	ug/l	99
40) Benzene	8.36	78	70957	4.477	ug/l	97
41) Methacrylonitrile	7.53	41	6206	5.356	ug/l #	70
42) 1,2-Dichloroethane	8.43	62	21326	5.153	ug/l	98
43) Isopropyl Acetate	8.46	43	19336	4.779	ug/l	98
44) Trichloroethene	9.11	130	20414	4.561	ug/l	99
45) 1,2-Dichloropropane	9.39	63	17696	4.609	ug/l	97
46) Dibromomethane	9.48	93	10168	5.106	ug/l	95
47) Bromodichloromethane	9.67	83	25570	4.935	ug/l	91
48) Methyl methacrylate	9.46	41	8992	4.725	ug/l	94
49) 1,4-Dioxane	9.46	88	2030	89.111	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	46002	22.595	ug/l	97
52) Toluene	10.40	92	44004	4.407	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	21486	4.438	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	24909	4.250	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	14454	5.124	ug/l	94
56) Ethyl methacrylate	10.66	69	13765	4.329	ug/l	95
57) 1,3-Dichloropropane	10.95	76	22911	4.801	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	20842	20.324	ug/l	96
59) 2-Hexanone	10.99	43	31830	22.585	ug/l	90
60) Dibromochloromethane	11.14	129	17332	4.794	ug/l	95
61) 1,2-Dibromoethane	11.24	107	12840	4.772	ug/l	98
64) Tetrachloroethene	10.88	164	17175	4.328	ug/l	95
65) Chlorobenzene	11.68	112	49247	4.493	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	18476	4.629	ug/l	97
67) Ethyl Benzene	11.75	91	75762	4.001	ug/l	96
68) m/p-Xylenes	11.86	106	54797	7.504	ug/l	97
69) o-Xylene	12.18	106	24347	3.790	ug/l	95
70) Styrene	12.20	104	41373	3.660	ug/l	97
71) Bromoform	12.37	173	10410	4.643	ug/l #	98
73) Isopropylbenzene	12.48	105	64738	3.598	ug/l	100
74) N-amyl acetate	12.30	43	14127	3.835	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	15534	4.912	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	10162m	4.708	ug/l	
77) Bromobenzene	12.77	156	20150	4.507	ug/l	98
78) n-propylbenzene	12.83	91	82894	3.883	ug/l	99
79) 2-Chlorotoluene	12.91	91	48767	4.053	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	55128	3.727	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.53	75	4260	4.165	ug/l	97
82) 4-Chlorotoluene	13.01	91	52706	4.169	ug/l	98
83) tert-Butylbenzene	13.23	119	43945	3.512	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	51974	3.565	ug/l	99
85) sec-Butylbenzene	13.41	105	62326	3.489	ug/l	99
86) p-Isopropyltoluene	13.53	119	55010	3.375	ug/l	97
87) 1,3-Dichlorobenzene	13.53	146	36012	4.190	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	38815	4.540	ug/l	94
89) n-Butylbenzene	13.85	91	54859	3.640	ug/l	98
90) Hexachloroethane	14.12	117	14141	4.213	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	33240	4.545	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2564	5.323	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	20887	4.214	ug/l	99
94) Hexachlorobutadiene	15.28	225	13881	4.262	ug/l	99
95) Naphthalene	15.41	128	30597	3.859	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	17847	4.166	ug/l	93

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

