

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030320\
 Data File : VD065390.D
 Acq On : 03 Mar 2020 13:11
 Operator : VA/SY
 Sample : L1161-02 5PPBL00
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 2:01:32 PM

Quant Time: Mar 04 06:16:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 05:56:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	413449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	633215	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	575248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287159	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	200712	53.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.92%	
35) Dibromofluoromethane	7.92	113	212731	55.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.20%	
50) Toluene-d8	10.34	98	797885	54.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.12%	
62) 4-Bromofluorobenzene	12.64	95	253160	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	21705	6.259	ug/l	98
3) Chloromethane	2.21	50	25443	5.764	ug/l	97
4) Vinyl Chloride	2.35	62	24781	5.521	ug/l	97
5) Bromomethane	2.77	94	17209	6.341	ug/l	98
6) Chloroethane	2.93	64	15478	5.650	ug/l	91
7) Trichlorofluoromethane	3.27	101	39426	6.136	ug/l	99
8) Diethyl Ether	3.70	74	10575	5.452	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.09	101	24301	5.989	ug/l	98
10) Methyl Iodide	4.30	142	20845	4.947	ug/l	98
11) Tert butyl alcohol	5.26	59	5117	23.023	ug/l #	72
12) 1,1-Dichloroethene	4.06	96	22141	5.776	ug/l	91
13) Acrolein	3.93	56	7570	22.879	ug/l	92
14) Allyl chloride	4.71	41	33988	5.460	ug/l	95
15) Acrylonitrile	5.44	53	22708	26.443	ug/l	98
16) Acetone	4.17	43	22948	25.240	ug/l	95
17) Carbon Disulfide	4.40	76	71305	5.548	ug/l	96
18) Methyl Acetate	4.73	43	16194	7.919	ug/l	93
19) Methyl tert-butyl Ether	5.49	73	38746	4.847	ug/l	96
20) Methylene Chloride	4.97	84	45822	9.928	ug/l	89
21) trans-1,2-Dichloroethene	5.47	96	25055	5.750	ug/l	90
22) Diisopropyl ether	6.37	45	56932	4.744	ug/l	99
23) Vinyl Acetate	6.31	43	121683	18.393	ug/l	100
24) 1,1-Dichloroethane	6.27	63	41691	5.601	ug/l	98
25) 2-Butanone	7.22	43	26482	23.021	ug/l	96
26) 2,2-Dichloropropane	7.21	77	36641	5.674	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	25183	5.456	ug/l	96
28) Bromochloromethane	7.55	49	16794	6.082	ug/l	98
29) Tetrahydrofuran	7.58	42	16206	24.044	ug/l	96
30) Chloroform	7.71	83	43750	5.834	ug/l	97
31) Cyclohexane	7.98	56	41923	5.732	ug/l #	68
32) 1,1,1-Trichloroethane	7.91	97	38819	5.786	ug/l	99
36) 1,1-Dichloropropene	8.11	75	32766	5.318	ug/l	98
37) Ethyl Acetate	7.30	43	13639	5.295	ug/l #	93
38) Carbon Tetrachloride	8.10	117	36063	5.750	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	34624	4.780	ug/l	91
40) Benzene	8.35	78	96587	5.554	ug/l	91
41) Methacrylonitrile	7.54	41	7753	5.213	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	25757	5.387	ug/l	99
43) Isopropyl Acetate	8.46	43	22358	4.773	ug/l	94
44) Trichloroethene	9.11	130	26919	5.584	ug/l	98
45) 1,2-Dichloropropane	9.39	63	24365	5.634	ug/l	95
46) Dibromomethane	9.48	93	12893	5.795	ug/l	95
47) Bromodichloromethane	9.67	83	32944	5.618	ug/l	94
48) Methyl methacrylate	9.46	41	8507	3.929	ug/l #	73
49) 1,4-Dioxane	9.46	88	2070	79.325	ug/l #	72
51) 4-Methyl-2-Pentanone	10.23	43	53751	22.594	ug/l	97
52) Toluene	10.41	92	61478	5.711	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	27861	5.126	ug/l	91
54) cis-1,3-Dichloropropene	10.10	75	33943	5.172	ug/l	92
55) 1,1,2-Trichloroethane	10.81	97	17239	5.505	ug/l	97
56) Ethyl methacrylate	10.67	69	16340	4.521	ug/l	97
57) 1,3-Dichloropropane	10.95	76	28952	5.432	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	35959	31.555	ug/l	99
59) 2-Hexanone	10.99	43	37153	21.817	ug/l	97
60) Dibromochloromethane	11.14	129	22113	5.517	ug/l	97
61) 1,2-Dibromoethane	11.25	107	15961	5.383	ug/l	99
64) Tetrachloroethene	10.88	164	25844	6.335	ug/l	94
65) Chlorobenzene	11.67	112	65598	5.683	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	23629	5.485	ug/l	98
67) Ethyl Benzene	11.75	91	98303	4.862	ug/l	100
68) m/p-Xylenes	11.86	106	77704	10.046	ug/l	97
69) o-Xylene	12.18	106	32117	4.687	ug/l	95
70) Styrene	12.20	104	57205	4.702	ug/l	99
71) Bromoform	12.37	173	13609	5.693	ug/l #	94
73) Isopropylbenzene	12.48	105	89211	4.693	ug/l	100
74) N-amyl acetate	12.29	43	18429	4.363	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	19181	5.590	ug/l	94
76) 1,2,3-Trichloropropane	12.79	75	12211m	4.998	ug/l	
77) Bromobenzene	12.77	156	25541	5.410	ug/l	99
78) n-propylbenzene	12.83	91	114895	5.029	ug/l	100
79) 2-Chlorotoluene	12.91	91	67714	5.291	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	74959	4.787	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	4919	4.347	ug/l	97
82) 4-Chlorotoluene	13.01	91	70257	5.171	ug/l	98
83) tert-Butylbenzene	13.23	119	62391	4.754	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	71966	4.592	ug/l	98
85) sec-Butylbenzene	13.41	105	88529	4.681	ug/l	98
86) p-Isopropyltoluene	13.53	119	78951	4.565	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	49723	5.448	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	50378	5.593	ug/l	95
89) n-Butylbenzene	13.86	91	75919	4.764	ug/l	97
90) Hexachloroethane	14.12	117	19063	5.429	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	42106	5.373	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	2965	5.608	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	26576	5.185	ug/l	98
94) Hexachlorobutadiene	15.28	225	18714	5.691	ug/l	94
95) Naphthalene	15.41	128	34854	4.183	ug/l	96
96) 1,2,3-Trichlorobenzene	15.61	180	22647	5.059	ug/l	100

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

