

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030320\
 Data File : VD065389.D
 Acq On : 03 Mar 2020 12:43
 Operator : VA/SY
 Sample : L1161-01 4PPBLOD
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 2:01:29 PM

Quant Time: Mar 04 06:14:42 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	424827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	655240	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	603534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	301400	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	211953	55.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.92%	
35) Dibromofluoromethane	7.92	113	220068	55.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.16%	
50) Toluene-d8	10.34	98	810925	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
62) 4-Bromofluorobenzene	12.64	95	262115	54.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	19377	5.438	ug/l	99
3) Chloromethane	2.21	50	20904	4.609	ug/l	92
4) Vinyl Chloride	2.36	62	20988	4.551	ug/l	98
5) Bromomethane	2.77	94	14157	5.077	ug/l	87
6) Chloroethane	2.92	64	12100	4.298	ug/l #	88
7) Trichlorofluoromethane	3.27	101	35064	5.311	ug/l	90
8) Diethyl Ether	3.71	74	9635	4.834	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	20475	4.911	ug/l	99
10) Methyl Iodide	4.30	142	18171	4.197	ug/l	97
11) Tert butyl alcohol	5.26	59	5743	25.147	ug/l #	72
12) 1,1-Dichloroethene	4.06	96	18331	4.654	ug/l	97
13) Acrolein	3.93	56	7352	21.625	ug/l	94
14) Allyl chloride	4.71	41	27448	4.291	ug/l	97
15) Acrylonitrile	5.44	53	20052	22.725	ug/l	98
16) Acetone	4.17	43	20048	21.459	ug/l #	77
17) Carbon Disulfide	4.40	76	60085	4.550	ug/l	100
18) Methyl Acetate	4.73	43	15563	7.407	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	33000	4.018	ug/l	97
20) Methylene Chloride	4.96	84	39844	8.402	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	20817	4.649	ug/l	89
22) Diisopropyl ether	6.37	45	46760	3.792	ug/l	95
23) Vinyl Acetate	6.31	43	102510	15.080	ug/l	100
24) 1,1-Dichloroethane	6.26	63	33377	4.364	ug/l	98
25) 2-Butanone	7.23	43	23601	19.967	ug/l	94
26) 2,2-Dichloropropane	7.21	77	30163	4.546	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	20538	4.330	ug/l	94
28) Bromochloromethane	7.55	49	13706	4.830	ug/l	98
29) Tetrahydrofuran	7.57	42	13999	20.213	ug/l	97
30) Chloroform	7.71	83	36985	4.800	ug/l	99
31) Cyclohexane	7.98	56	36794	4.896	ug/l #	73
32) 1,1,1-Trichloroethane	7.91	97	32562	4.723	ug/l	99
36) 1,1-Dichloropropene	8.11	75	27138	4.257	ug/l	98
37) Ethyl Acetate	7.30	43	11857	4.449	ug/l	98
38) Carbon Tetrachloride	8.10	117	29457	4.539	ug/l #	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	29562	3.944	ug/l	98
40) Benzene	8.36	78	80176	4.455	ug/l	96
41) Methacrylonitrile	7.54	41	6550	4.256	ug/l #	81
42) 1,2-Dichloroethane	8.43	62	23162	4.682	ug/l	99
43) Isopropyl Acetate	8.46	43	20670	4.265	ug/l	97
44) Trichloroethene	9.11	130	23689	4.749	ug/l	97
45) 1,2-Dichloropropane	9.40	63	20099	4.492	ug/l #	86
46) Dibromomethane	9.48	93	10179	4.421	ug/l	96
47) Bromodichloromethane	9.67	83	27079	4.463	ug/l	99
48) Methyl methacrylate	9.46	41	8611	3.844	ug/l	94
49) 1,4-Dioxane	9.47	88	2409	89.212	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	48139	19.555	ug/l	100
52) Toluene	10.41	92	51947	4.664	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	23715	4.217	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	27946	4.115	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	14500	4.475	ug/l #	92
56) Ethyl methacrylate	10.67	69	13405	3.584	ug/l	90
57) 1,3-Dichloropropane	10.95	76	23921	4.337	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	35081	29.749	ug/l	100
59) 2-Hexanone	10.99	43	32444	18.411	ug/l	97
60) Dibromochloromethane	11.15	129	18638	4.494	ug/l	98
61) 1,2-Dibromoethane	11.25	107	14249	4.644	ug/l	99
64) Tetrachloroethene	10.88	164	21274	4.970	ug/l	93
65) Chlorobenzene	11.67	112	54068	4.464	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	20194	4.468	ug/l	98
67) Ethyl Benzene	11.75	91	81671	3.850	ug/l	99
68) m/p-Xylenes	11.86	106	61919	7.630	ug/l	100
69) o-Xylene	12.18	106	26814	3.729	ug/l	100
70) Styrene	12.20	104	45460	3.561	ug/l	100
71) Bromoform	12.37	173	11600	4.625	ug/l #	100
73) Isopropylbenzene	12.49	105	73197	3.668	ug/l	98
74) N-amyl acetate	12.30	43	15608	3.520	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	16354	4.541	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	11046m	4.307	ug/l	
77) Bromobenzene	12.77	156	21267	4.292	ug/l	97
78) n-propylbenzene	12.83	91	94908	3.958	ug/l	99
79) 2-Chlorotoluene	12.91	91	53952	4.016	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	60728	3.695	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	4193	3.530	ug/l	95
82) 4-Chlorotoluene	13.01	91	57262	4.015	ug/l	99
83) tert-Butylbenzene	13.23	119	49110	3.565	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	58865	3.578	ug/l	98
85) sec-Butylbenzene	13.41	105	71903	3.623	ug/l	100
86) p-Isopropyltoluene	13.53	119	64584	3.558	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	39842	4.159	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	42710	4.518	ug/l	94
89) n-Butylbenzene	13.86	91	63333	3.787	ug/l	97
90) Hexachloroethane	14.12	117	16699	4.531	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	35694	4.340	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	2125	3.829	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	20563	3.822	ug/l	93
94) Hexachlorobutadiene	15.28	225	15086	4.371	ug/l	100
95) Naphthalene	15.41	128	31412	3.592	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	20299	4.320	ug/l	97

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

