

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070820\
 Data File : VD065940.D
 Acq On : 08 Jul 2020 15:10
 Operator : VA/SY
 Sample : L3216-03 4PPBMDL
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT3-2020DL

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:48:21 AM

Quant Time: Jul 09 01:47:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 01:34:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	404979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	619778	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	572493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287594	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	168966	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
35) Dibromofluoromethane	7.91	113	184692	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
50) Toluene-d8	10.34	98	660505	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
62) 4-Bromofluorobenzene	12.64	95	232014	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	16635	4.620	ug/l	94
3) Chloromethane	2.21	50	14732	4.128	ug/l	98
4) Vinyl Chloride	2.35	62	13105	3.999	ug/l #	86
5) Bromomethane	2.77	94	8933	4.303	ug/l	91
6) Chloroethane	2.93	64	7753	3.958	ug/l	98
7) Trichlorofluoromethane	3.27	101	31326	4.460	ug/l	98
8) Diethyl Ether	3.70	74	7740	4.017	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	17742	4.223	ug/l	93
10) Methyl Iodide	4.30	142	14742	3.695	ug/l	98
11) Tert butyl alcohol	5.22	59	5274m	20.491	ug/l	
12) 1,1-Dichloroethene	4.07	96	16467	4.196	ug/l	88
13) Acrolein	3.91	56	4670	22.054	ug/l	93
14) Allyl chloride	4.71	41	26474	3.980	ug/l	99
15) Acrylonitrile	5.41	53	15304	18.140	ug/l	94
16) Acetone	4.16	43	16635	19.777	ug/l #	87
17) Carbon Disulfide	4.41	76	53211	4.255	ug/l	96
18) Methyl Acetate	4.71	43	9633	4.886	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	32022	3.854	ug/l	95
20) Methylene Chloride	4.96	84	55523	9.292	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	19504	4.417	ug/l	97
22) Diisopropyl ether	6.36	45	48069	3.846	ug/l	92
23) Vinyl Acetate	6.30	43	120703	16.918	ug/l	95
24) 1,1-Dichloroethane	6.27	63	31280	4.197	ug/l	98
25) 2-Butanone	7.21	43	21287	19.152	ug/l #	88
26) 2,2-Dichloropropane	7.20	77	28451	4.363	ug/l	95
27) cis-1,2-Dichloroethene	7.21	96	19127	4.031	ug/l	95
28) Bromochloromethane	7.54	49	12534	4.452	ug/l	97
29) Tetrahydrofuran	7.56	42	12390	17.531	ug/l	95
30) Chloroform	7.71	83	31676	4.192	ug/l	95
31) Cyclohexane	7.98	56	34979	4.770	ug/l #	74
32) 1,1,1-Trichloroethane	7.91	97	27411	3.975	ug/l	97
36) 1,1-Dichloropropene	8.11	75	24599	4.019	ug/l	95
37) Ethyl Acetate	7.30	43	9393	3.662	ug/l #	94
38) Carbon Tetrachloride	8.09	117	27476	4.188	ug/l #	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	30461	4.053	ug/l	97
40) Benzene	8.36	78	67529	3.993	ug/l	94
41) Methacrylonitrile	7.53	41	6710	4.506	ug/l #	88
42) 1,2-Dichloroethane	8.42	62	19818	4.137	ug/l	97
43) Isopropyl Acetate	8.45	43	18566	3.889	ug/l	94
44) Trichloroethene	9.11	130	21042	4.235	ug/l	100
45) 1,2-Dichloropropane	9.38	63	16752	3.991	ug/l	97
46) Dibromomethane	9.47	93	8971	4.105	ug/l	96
47) Bromodichloromethane	9.66	83	22141	3.777	ug/l #	92
48) Methyl methacrylate	9.45	41	7842	3.263	ug/l #	75
49) 1,4-Dioxane	9.46	88	2052	79.033	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	42487	17.603	ug/l	97
52) Toluene	10.41	92	44957	4.179	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	21857	3.966	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	24961	3.748	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	12217	4.058	ug/l	95
56) Ethyl methacrylate	10.66	69	13161	3.579	ug/l	93
57) 1,3-Dichloropropane	10.95	76	19491	3.702	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.94	63	32951	18.503	ug/l	100
59) 2-Hexanone	10.98	43	28271	17.032	ug/l	100
60) Dibromochloromethane	11.14	129	16445	3.998	ug/l	98
61) 1,2-Dibromoethane	11.25	107	11619	3.871	ug/l	99
64) Tetrachloroethene	10.88	164	17752	4.264	ug/l	94
65) Chlorobenzene	11.67	112	48434	4.198	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	17468	4.048	ug/l	95
67) Ethyl Benzene	11.74	91	79340	3.871	ug/l	96
68) m/p-Xylenes	11.86	106	61704	7.924	ug/l	99
69) o-Xylene	12.18	106	27523	3.880	ug/l	98
70) Styrene	12.20	104	47477	3.877	ug/l	99
71) Bromoform	12.36	173	9947	4.074	ug/l #	95
73) Isopropylbenzene	12.48	105	73968	3.685	ug/l	98
74) N-amyl acetate	12.29	43	15684	3.482	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	12237	3.672	ug/l	94
76) 1,2,3-Trichloropropane	12.78	75	8651m	3.586	ug/l	
77) Bromobenzene	12.76	156	20347	4.180	ug/l	95
78) n-propylbenzene	12.82	91	93450	3.971	ug/l	98
79) 2-Chlorotoluene	12.91	91	51946	3.891	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	61305	3.734	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.53	75	4231	3.768	ug/l	93
82) 4-Chlorotoluene	13.01	91	54831	3.915	ug/l	98
83) tert-Butylbenzene	13.23	119	52394	3.746	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	61700	3.776	ug/l	99
85) sec-Butylbenzene	13.40	105	74232	3.745	ug/l	99
86) p-Isopropyltoluene	13.52	119	66828	3.686	ug/l	97
87) 1,3-Dichlorobenzene	13.52	146	37328	4.098	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	36840	4.054	ug/l	89
89) n-Butylbenzene	13.84	91	64037	3.761	ug/l	98
90) Hexachloroethane	14.11	117	14409	3.941	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	30866	3.877	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2152	3.862	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	21705	3.825	ug/l	94
94) Hexachlorobutadiene	15.27	225	13784	4.016	ug/l	96
95) Naphthalene	15.40	128	32661	3.432	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	19691	4.023	ug/l	98

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

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