

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070720\
 Data File : VD065921.D
 Acq On : 07 Jul 2020 14:07
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 7/8/2020 12:05:35 PM

Quant Time: Jul 08 09:30:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:18:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	439192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	677049	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	623621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304385	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	39735	10.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.42%	
35) Dibromofluoromethane	7.92	113	39083	9.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.72%	
50) Toluene-d8	10.34	98	150776	9.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.78%	
62) 4-Bromofluorobenzene	12.64	95	50131	9.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.16%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	45740	11.715	ug/l 98
3) Chloromethane	2.21	50	43093	11.134	ug/l 95
4) Vinyl Chloride	2.35	62	38731	10.898	ug/l 97
5) Bromomethane	2.76	94	24790	11.012	ug/l 84
6) Chloroethane	2.93	64	21498	10.119	ug/l # 87
7) Trichlorofluoromethane	3.27	101	81953	10.759	ug/l 99
8) Diethyl Ether	3.71	74	20732	9.921	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	47392	10.402	ug/l 99
10) Methyl Iodide	4.30	142	37425	8.649	ug/l 96
11) Tert butyl alcohol	5.20	59	16309	59.149	ug/l # 71
12) 1,1-Dichloroethene	4.07	96	42993	10.101	ug/l 83
13) Acrolein	3.92	56	13221	57.573	ug/l 100
14) Allyl chloride	4.71	41	73550	10.197	ug/l 99
15) Acrylonitrile	5.42	53	45139	49.337	ug/l 98
16) Acetone	4.16	43	47653	52.241	ug/l 100
17) Carbon Disulfide	4.41	76	141669	10.446	ug/l 97
18) Methyl Acetate	4.71	43	20967	9.806	ug/l 99
19) Methyl tert-butyl Ether	5.47	73	91363	10.139	ug/l 99
20) Methylene Chloride	4.97	84	86748	13.387	ug/l 97
21) trans-1,2-Dichloroethene	5.47	96	49638	10.365	ug/l 96
22) Diisopropyl ether	6.36	45	137992	10.180	ug/l 90
23) Vinyl Acetate	6.30	43	385229	49.788	ug/l 96
24) 1,1-Dichloroethane	6.27	63	82001	10.145	ug/l 99
25) 2-Butanone	7.21	43	62658	51.983	ug/l 93
26) 2,2-Dichloropropane	7.21	77	74097	10.479	ug/l 99
27) cis-1,2-Dichloroethene	7.21	96	52598	10.222	ug/l 98
28) Bromochloromethane	7.55	49	34864	11.418	ug/l 96
29) Tetrahydrofuran	7.56	42	38501	50.232	ug/l 97
30) Chloroform	7.71	83	84343	10.293	ug/l 100
31) Cyclohexane	7.98	56	83973	10.559	ug/l # 87
32) 1,1,1-Trichloroethane	7.90	97	76226	10.193	ug/l 97
36) 1,1-Dichloropropene	8.11	75	68324	10.218	ug/l 99
37) Ethyl Acetate	7.30	43	29531	10.540	ug/l # 83
38) Carbon Tetrachloride	8.10	117	74299	10.366	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	81193	9.890	ug/l	96
40) Benzene	8.35	78	186244	10.082	ug/l	98
41) Methacrylonitrile	7.52	41	16976	10.194	ug/l	97
42) 1,2-Dichloroethane	8.43	62	53292	10.183	ug/l	100
43) Isopropyl Acetate	8.45	43	51816	9.936	ug/l	98
44) Trichloroethene	9.11	130	56856	10.475	ug/l	93
45) 1,2-Dichloropropane	9.39	63	46412	10.123	ug/l	96
46) Dibromomethane	9.48	93	23726	9.939	ug/l	97
47) Bromodichloromethane	9.67	83	64032	10.000	ug/l #	93
48) Methyl methacrylate	9.46	41	26035	9.917	ug/l	96
49) 1,4-Dioxane	9.46	88	5431	191.481	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	131975	50.055	ug/l	98
52) Toluene	10.40	92	118654	10.096	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	57431	9.539	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	70212	9.651	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	34213	10.403	ug/l	95
56) Ethyl methacrylate	10.66	69	37566	9.352	ug/l	97
57) 1,3-Dichloropropane	10.94	76	56801	9.876	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	100429	51.623	ug/l	99
59) 2-Hexanone	10.98	43	88950	49.054	ug/l	97
60) Dibromochloromethane	11.14	129	44430	9.888	ug/l	99
61) 1,2-Dibromoethane	11.25	107	32139	9.801	ug/l	97
64) Tetrachloroethene	10.88	164	45522	10.038	ug/l	99
65) Chlorobenzene	11.67	112	125690	10.001	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	46589	9.912	ug/l	99
67) Ethyl Benzene	11.75	91	221810	9.935	ug/l	97
68) m/p-Xylenes	11.86	106	166987	19.687	ug/l	98
69) o-Xylene	12.18	106	76414	9.889	ug/l	99
70) Styrene	12.20	104	128850	9.660	ug/l	99
71) Bromoform	12.36	173	27059	10.174	ug/l #	98
73) Isopropylbenzene	12.48	105	212776	10.016	ug/l	99
74) N-amyl acetate	12.29	43	46745	9.806	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	35957	10.195	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	25596m	10.065	ug/l	
77) Bromobenzene	12.76	156	50811	9.862	ug/l	95
78) n-propylbenzene	12.82	91	246509	9.898	ug/l	99
79) 2-Chlorotoluene	12.91	91	139160	9.849	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	172850	9.948	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	11843	9.966	ug/l	98
82) 4-Chlorotoluene	13.01	91	151364	10.211	ug/l	100
83) tert-Butylbenzene	13.23	119	145671	9.840	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	171326	9.906	ug/l	99
85) sec-Butylbenzene	13.40	105	208254	9.927	ug/l	100
86) p-Isopropyltoluene	13.52	119	189956	9.899	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	97972	10.162	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	97252	10.111	ug/l	98
89) n-Butylbenzene	13.85	91	177989	9.878	ug/l	100
90) Hexachloroethane	14.11	117	38716	10.005	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	84229	9.996	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5553	9.416	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	57179	9.521	ug/l	99
94) Hexachlorobutadiene	15.27	225	34531	9.505	ug/l	94
95) Naphthalene	15.40	128	95320	9.463	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	50922	9.830	ug/l	99

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

