

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072120\
 Data File : VD065972.D
 Acq On : 21 Jul 2020 10:22
 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
 7/22/2020 2:44:18 PM

Quant Time: Jul 21 12:11:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:03:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	354463	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	523962	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	483040	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	239959	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	32657	11.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.62%	
35) Dibromofluoromethane	7.92	113	37127	11.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.58%	
50) Toluene-d8	10.34	98	128119	10.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.84%	
62) 4-Bromofluorobenzene	12.64	95	45014	10.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.72%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	30697	10.765	ug/l 99
3) Chloromethane	2.21	50	23010	10.217	ug/l 99
4) Vinyl Chloride	2.35	62	21761	10.008	ug/l 98
5) Bromomethane	2.77	94	19888	10.699	ug/l 97
6) Chloroethane	2.92	64	13278	10.133	ug/l 97
7) Trichlorofluoromethane	3.27	101	52052	9.947	ug/l 97
8) Diethyl Ether	3.70	74	13474	10.003	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	31275	10.080	ug/l 97
10) Methyl Iodide	4.31	142	13752	8.113	ug/l 97
11) Tert butyl alcohol	5.21	59	13341	54.500	ug/l 97
12) 1,1-Dichloroethene	4.06	96	28811	9.781	ug/l 89
13) Acrolein	3.92	56	12133	51.296	ug/l 96
14) Allyl chloride	4.71	41	45076	9.969	ug/l 100
15) Acrylonitrile	5.43	53	29096	50.334	ug/l 99
16) Acetone	4.16	43	28290	48.554	ug/l 90
17) Carbon Disulfide	4.41	76	98533	10.243	ug/l 100
18) Methyl Acetate	4.71	43	14320	10.684	ug/l 95
19) Methyl tert-butyl Ether	5.47	73	57986	10.037	ug/l 93
20) Methylene Chloride	4.96	84	42536	10.582	ug/l 91
21) trans-1,2-Dichloroethene	5.47	96	34674	10.422	ug/l 95
22) Diisopropyl ether	6.37	45	87309	10.200	ug/l 96
23) Vinyl Acetate	6.30	43	231586	49.307	ug/l 99
24) 1,1-Dichloroethane	6.27	63	53322	9.959	ug/l 96
25) 2-Butanone	7.22	43	38092	49.583	ug/l 99
26) 2,2-Dichloropropane	7.21	77	48712	9.913	ug/l 99
27) cis-1,2-Dichloroethene	7.22	96	35195	10.096	ug/l 99
28) Bromochloromethane	7.55	49	24968	11.295	ug/l 99
29) Tetrahydrofuran	7.56	42	23241	49.580	ug/l 99
30) Chloroform	7.71	83	57421	10.341	ug/l 98
31) Cyclohexane	7.99	56	54098	10.068	ug/l 87
32) 1,1,1-Trichloroethane	7.91	97	52942	10.190	ug/l 99
36) 1,1-Dichloropropene	8.11	75	45355	9.968	ug/l 97
37) Ethyl Acetate	7.30	43	17530	10.043	ug/l 96
38) Carbon Tetrachloride	8.10	117	48873	10.127	ug/l 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	50640	9.398	ug/l	94
40) Benzene	8.36	78	125543	9.948	ug/l	99
41) Methacrylonitrile	7.53	41	7908	6.060	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	34240	9.871	ug/l	100
43) Isopropyl Acetate	8.46	43	30904	9.620	ug/l	96
44) Trichloroethene	9.11	130	37701	9.930	ug/l	97
45) 1,2-Dichloropropane	9.39	63	29702	9.814	ug/l #	85
46) Dibromomethane	9.48	93	16710	10.088	ug/l	93
47) Bromodichloromethane	9.66	83	43842	10.100	ug/l	95
48) Methyl methacrylate	9.46	41	16286	9.733	ug/l	94
49) 1,4-Dioxane	9.46	88	3556	194.212	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	80569	49.115	ug/l	99
52) Toluene	10.41	92	82022	10.093	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	37723	9.831	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	48289	10.168	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	22953	10.069	ug/l	96
56) Ethyl methacrylate	10.66	69	25472	9.943	ug/l	98
57) 1,3-Dichloropropane	10.95	76	37486	9.884	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	75612	60.469	ug/l	100
59) 2-Hexanone	10.98	43	54528	48.374	ug/l	97
60) Dibromochloromethane	11.15	129	30783	9.994	ug/l	98
61) 1,2-Dibromoethane	11.25	107	21494	9.748	ug/l	96
64) Tetrachloroethene	10.87	164	32211	9.754	ug/l	97
65) Chlorobenzene	11.67	112	88394	9.920	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	33913	10.286	ug/l	98
67) Ethyl Benzene	11.75	91	148265	9.701	ug/l	100
68) m/p-Xylenes	11.86	106	114168	19.317	ug/l	97
69) o-Xylene	12.18	106	51298	9.750	ug/l	99
70) Styrene	12.20	104	88269	9.692	ug/l	99
71) Bromoform	12.37	173	18451	9.958	ug/l #	97
73) Isopropylbenzene	12.48	105	141802	9.866	ug/l	99
74) N-amyl acetate	12.29	43	27187	9.405	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	23650	9.949	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	14631m	6.860	ug/l	
77) Bromobenzene	12.77	156	37901	10.216	ug/l	98
78) n-propylbenzene	12.83	91	163860	9.730	ug/l	98
79) 2-Chlorotoluene	12.91	91	95668	9.952	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	116269	9.712	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	7111	9.356	ug/l	88
82) 4-Chlorotoluene	13.01	91	102002	9.989	ug/l	99
83) tert-Butylbenzene	13.23	119	100946	9.709	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	112904	9.615	ug/l	96
85) sec-Butylbenzene	13.41	105	138832	9.658	ug/l	100
86) p-Isopropyltoluene	13.52	119	125636	9.706	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	70757	10.102	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	70432	10.033	ug/l	97
89) n-Butylbenzene	13.85	91	115671	9.661	ug/l	99
90) Hexachloroethane	14.11	117	26261	9.883	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	60051	10.014	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	3578	9.449	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	41023	9.844	ug/l	98
94) Hexachlorobutadiene	15.27	225	25838	9.902	ug/l	98
95) Naphthalene	15.41	128	59610	9.368	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	34997	9.596	ug/l	98

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

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