

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072120\
 Data File : VD065973.D
 Acq On : 21 Jul 2020 10:49
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 2:44:20 PM

Quant Time: Jul 21 12:12:44 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	7.99	168	388771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	565190	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	506752	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	263373	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	55522	17.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.06%	
35) Dibromofluoromethane	7.92	113	59156	17.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.84%	
50) Toluene-d8	10.34	98	221227	17.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.98%	
62) 4-Bromofluorobenzene	12.64	95	79244	17.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	66175	21.158	ug/l	95
3) Chloromethane	2.21	50	50920	20.615	ug/l	100
4) Vinyl Chloride	2.35	62	48149	20.189	ug/l	99
5) Bromomethane	2.76	94	38684	18.973	ug/l	90
6) Chloroethane	2.92	64	28276	19.675	ug/l #	88
7) Trichlorofluoromethane	3.27	101	116004	20.213	ug/l	99
8) Diethyl Ether	3.71	74	30895	20.912	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	69626	20.460	ug/l	98
10) Methyl Iodide	4.30	142	39423	21.206	ug/l	98
11) Tert butyl alcohol	5.22	59	23440	87.306	ug/l #	91
12) 1,1-Dichloroethene	4.07	96	66574	20.607	ug/l	95
13) Acrolein	3.92	56	28140	108.472	ug/l	99
14) Allyl chloride	4.71	41	99737	20.112	ug/l	98
15) Acrylonitrile	5.43	53	64517	101.761	ug/l	99
16) Acetone	4.16	43	55987	87.611	ug/l	92
17) Carbon Disulfide	4.41	76	214425	20.323	ug/l	97
18) Methyl Acetate	4.72	43	28689	19.515	ug/l	93
19) Methyl tert-butyl Ether	5.48	73	132471	20.906	ug/l	98
20) Methylene Chloride	4.97	84	76676	17.392	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	74452	20.404	ug/l	95
22) Diisopropyl ether	6.36	45	195392	20.813	ug/l	98
23) Vinyl Acetate	6.31	43	543326	105.470	ug/l	95
24) 1,1-Dichloroethane	6.27	63	115689	19.701	ug/l	99
25) 2-Butanone	7.21	43	81874	97.167	ug/l	97
26) 2,2-Dichloropropane	7.21	77	104565	19.401	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	76903	20.114	ug/l	100
28) Bromochloromethane	7.55	49	49111	20.256	ug/l	98
29) Tetrahydrofuran	7.57	42	52975	103.039	ug/l	99
30) Chloroform	7.71	83	122192	20.064	ug/l	100
31) Cyclohexane	7.99	56	113053	19.184	ug/l	92
32) 1,1,1-Trichloroethane	7.91	97	111957	19.647	ug/l	99
36) 1,1-Dichloropropene	8.11	75	97697	19.906	ug/l	98
37) Ethyl Acetate	7.30	43	37190	19.753	ug/l	99
38) Carbon Tetrachloride	8.10	117	105986	20.360	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	117632	20.238	ug/l	91
40) Benzene	8.36	78	274712	20.180	ug/l	95
41) Methacrylonitrile	7.53	41	23433m	16.648	ug/l	
42) 1,2-Dichloroethane	8.43	62	74608	19.941	ug/l	100
43) Isopropyl Acetate	8.46	43	71086	20.513	ug/l	99
44) Trichloroethene	9.11	130	82394	20.119	ug/l	94
45) 1,2-Dichloropropane	9.39	63	66094	20.246	ug/l	95
46) Dibromomethane	9.48	93	34758	19.453	ug/l	96
47) Bromodichloromethane	9.67	83	94535	20.189	ug/l	97
48) Methyl methacrylate	9.46	41	36268	20.094	ug/l	99
49) 1,4-Dioxane	9.46	88	8277	419.077	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	178979	101.148	ug/l	98
52) Toluene	10.41	92	180312	20.569	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	87056	21.033	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	104082	20.317	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	49269	20.036	ug/l	93
56) Ethyl methacrylate	10.67	69	56135	20.313	ug/l	94
57) 1,3-Dichloropropane	10.95	76	84688	20.701	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	137687	102.079	ug/l	98
59) 2-Hexanone	10.98	43	124588	102.464	ug/l	97
60) Dibromochloromethane	11.14	129	68835	20.717	ug/l	100
61) 1,2-Dibromoethane	11.25	107	47389	19.925	ug/l	96
64) Tetrachloroethene	10.88	164	73075	21.094	ug/l	95
65) Chlorobenzene	11.67	112	194543	20.811	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	70111	20.270	ug/l	95
67) Ethyl Benzene	11.75	91	335637	20.934	ug/l	97
68) m/p-Xylenes	11.86	106	263094	42.431	ug/l	99
69) o-Xylene	12.18	106	117963	21.371	ug/l	98
70) Styrene	12.20	104	205496	21.507	ug/l	98
71) Bromoform	12.36	173	41392	21.294	ug/l #	99
73) Isopropylbenzene	12.48	105	328204	20.806	ug/l	98
74) N-amyl acetate	12.30	43	63559	20.032	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	54688	20.961	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	40662m	17.371	ug/l	
77) Bromobenzene	12.77	156	83497	20.505	ug/l	97
78) n-propylbenzene	12.83	91	378082	20.455	ug/l	99
79) 2-Chlorotoluene	12.91	91	214114	20.293	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	271086	20.631	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	16809	20.149	ug/l	98
82) 4-Chlorotoluene	13.01	91	231546	20.658	ug/l	100
83) tert-Butylbenzene	13.23	119	233584	20.470	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	269863	20.939	ug/l	100
85) sec-Butylbenzene	13.41	105	321845	20.399	ug/l	98
86) p-Isopropyltoluene	13.52	119	298262	20.994	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	156568	20.367	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	155074	20.127	ug/l	99
89) n-Butylbenzene	13.85	91	270324	20.572	ug/l	99
90) Hexachloroethane	14.12	117	59370	20.358	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	134310	20.405	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	8475	20.391	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	93991	20.550	ug/l	97
94) Hexachlorobutadiene	15.27	225	59051	20.619	ug/l	99
95) Naphthalene	15.41	128	147599	21.134	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	81540	20.371	ug/l	100

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

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