

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072120\
 Data File : VD065977.D
 Acq On : 21 Jul 2020 13:45
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSVVD072120

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 2:44:29 PM

Quant Time: Jul 21 16:49:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	404794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	572821	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	506777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	256278	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	164019	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
35) Dibromofluoromethane	7.91	113	173182	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
50) Toluene-d8	10.34	98	677951	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
62) 4-Bromofluorobenzene	12.64	95	224289	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	153369	49.925	ug/l	95
3) Chloromethane	2.20	50	128295	51.176	ug/l	96
4) Vinyl Chloride	2.35	62	127930	53.587	ug/l	98
5) Bromomethane	2.77	94	85968	51.337	ug/l	96
6) Chloroethane	2.92	64	74185	52.055	ug/l	90
7) Trichlorofluoromethane	3.27	101	308261	53.086	ug/l	100
8) Diethyl Ether	3.71	74	82553	51.432	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	191249	54.545	ug/l	98
10) Methyl Iodide	4.30	142	199494	55.210	ug/l	98
11) Tert butyl alcohol	5.21	59	47687	227.707	ug/l #	85
12) 1,1-Dichloroethene	4.06	96	180988	54.077	ug/l	94
13) Acrolein	3.92	56	62630	225.688	ug/l	98
14) Allyl chloride	4.71	41	281146	53.738	ug/l	98
15) Acrylonitrile	5.41	53	176703	257.689	ug/l	98
16) Acetone	4.15	43	188258	282.370	ug/l	99
17) Carbon Disulfide	4.41	76	573191	52.798	ug/l	100
18) Methyl Acetate	4.71	43	72963	47.044	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	362338	52.692	ug/l	95
20) Methylene Chloride	4.96	84	186704	50.686	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	200519	53.010	ug/l	94
22) Diisopropyl ether	6.36	45	531287	53.453	ug/l	98
23) Vinyl Acetate	6.30	43	1525818	272.199	ug/l	99
24) 1,1-Dichloroethane	6.26	63	320126	53.156	ug/l	96
25) 2-Butanone	7.21	43	234112	264.634	ug/l	97
26) 2,2-Dichloropropane	7.20	77	296787	54.801	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	210495	52.558	ug/l	98
28) Bromochloromethane	7.54	49	124863	48.849	ug/l	98
29) Tetrahydrofuran	7.56	42	141093	258.487	ug/l	99
30) Chloroform	7.71	83	325972	51.745	ug/l	98
31) Cyclohexane	7.98	56	309672	52.266	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	313590	53.815	ug/l	100
36) 1,1-Dichloropropene	8.11	75	272067	55.652	ug/l	97
37) Ethyl Acetate	7.29	43	100501	53.830	ug/l #	95
38) Carbon Tetrachloride	8.10	117	291445	54.943	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	347255	58.655	ug/l	99
40) Benzene	8.35	78	735319	53.763	ug/l	98
41) Methacrylonitrile	7.53	41	63034m	58.936	ug/l	
42) 1,2-Dichloroethane	8.43	62	197413	52.674	ug/l	99
43) Isopropyl Acetate	8.46	43	194929	53.456	ug/l	98
44) Trichloroethene	9.11	130	228060	55.102	ug/l	94
45) 1,2-Dichloropropane	9.39	63	177525	53.593	ug/l	99
46) Dibromomethane	9.48	93	93011	52.159	ug/l	97
47) Bromodichloromethane	9.67	83	247306	52.451	ug/l	98
48) Methyl methacrylate	9.46	41	99409	54.044	ug/l	99
49) 1,4-Dioxane	9.46	88	21520	1041.656	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	497427	270.733	ug/l	100
52) Toluene	10.41	92	489690	54.902	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	237152	53.988	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	287729	54.036	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	128287	50.726	ug/l	97
56) Ethyl methacrylate	10.67	69	168563	57.327	ug/l	99
57) 1,3-Dichloropropane	10.95	76	221050	52.798	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	325842	231.976	ug/l	100
59) 2-Hexanone	10.99	43	361295	283.758	ug/l	98
60) Dibromochloromethane	11.14	129	175942	51.597	ug/l	98
61) 1,2-Dibromoethane	11.25	107	126575	51.908	ug/l	97
64) Tetrachloroethene	10.88	164	194987	56.688	ug/l	96
65) Chlorobenzene	11.67	112	519569	55.995	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	189998	55.456	ug/l	99
67) Ethyl Benzene	11.75	91	925760	57.976	ug/l	99
68) m/p-Xylenes	11.86	106	709828	115.655	ug/l	100
69) o-Xylene	12.18	106	327059	58.589	ug/l	98
70) Styrene	12.20	104	556959	58.070	ug/l	100
71) Bromoform	12.37	173	107357	53.494	ug/l #	99
73) Isopropylbenzene	12.48	105	901608	58.141	ug/l	99
74) N-amyl acetate	12.30	43	180894	56.260	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	135703	52.951	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	90540m	46.921	ug/l	
77) Bromobenzene	12.77	156	217840	54.967	ug/l	99
78) n-propylbenzene	12.83	91	1059041	58.852	ug/l	100
79) 2-Chlorotoluene	12.91	91	584415	56.847	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	744266	58.417	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	47019	55.913	ug/l	95
82) 4-Chlorotoluene	13.01	91	617718	56.926	ug/l	98
83) tert-Butylbenzene	13.23	119	652030	58.485	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	727912	57.911	ug/l	99
85) sec-Butylbenzene	13.41	105	915566	59.622	ug/l	99
86) p-Isopropyltoluene	13.52	119	836491	59.959	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	404833	55.019	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	402221	54.073	ug/l	100
89) n-Butylbenzene	13.85	91	780107	60.137	ug/l	100
90) Hexachloroethane	14.12	117	163324	56.552	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	358931	56.294	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	22306	53.107	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	266152	58.155	ug/l	98
94) Hexachlorobutadiene	15.28	225	165858	58.619	ug/l	100
95) Naphthalene	15.41	128	424692	52.027	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	227756	57.244	ug/l	99

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

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