

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072320\
 Data File : VD066036.D
 Acq On : 23 Jul 2020 20:36
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/24/2020 1:00:05 PM

Quant Time: Jul 24 04:48:36 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	279267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	429119	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	411143	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	212374	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	139629	61.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.90%	
35) Dibromofluoromethane	7.91	113	146787	56.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.80%	
50) Toluene-d8	10.34	98	545818	56.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.58%	
62) 4-Bromofluorobenzene	12.64	95	191860	57.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	92297	43.549	ug/l	95
3) Chloromethane	2.21	50	83135	48.068	ug/l	99
4) Vinyl Chloride	2.35	62	76131	46.223	ug/l	100
5) Bromomethane	2.77	94	60239	52.229	ug/l	97
6) Chloroethane	2.93	64	50572	51.436	ug/l #	86
7) Trichlorofluoromethane	3.27	101	192661	48.091	ug/l	94
8) Diethyl Ether	3.71	74	60531	54.663	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	115839	47.888	ug/l	99
10) Methyl Iodide	4.30	142	141869	56.639	ug/l	98
11) Tert butyl alcohol	5.21	59	36071	252.593	ug/l #	88
12) 1,1-Dichloroethene	4.07	96	112593	48.763	ug/l	88
13) Acrolein	3.93	56	46360	242.150	ug/l	98
14) Allyl chloride	4.71	41	185494	51.392	ug/l	94
15) Acrylonitrile	5.42	53	130058	274.918	ug/l	98
16) Acetone	4.16	43	99424	216.158	ug/l	90
17) Carbon Disulfide	4.41	76	352952	47.124	ug/l	99
18) Methyl Acetate	4.71	43	52459	49.027	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	276531	58.289	ug/l	98
20) Methylene Chloride	4.97	84	148551	58.939	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	136535	52.320	ug/l	93
22) Diisopropyl ether	6.36	45	385626	56.237	ug/l	97
23) Vinyl Acetate	6.31	43	1104268	285.544	ug/l	96
24) 1,1-Dichloroethane	6.27	63	231583	55.738	ug/l	97
25) 2-Butanone	7.21	43	154357	252.908	ug/l	99
26) 2,2-Dichloropropane	7.21	77	187198	50.103	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	150960	54.635	ug/l	99
28) Bromochloromethane	7.54	49	100931	57.235	ug/l	93
29) Tetrahydrofuran	7.56	42	100500	266.879	ug/l	97
30) Chloroform	7.71	83	249048	57.304	ug/l	99
31) Cyclohexane	7.99	56	182952	44.758	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	219450	54.587	ug/l	99
36) 1,1-Dichloropropene	8.11	75	178553	48.754	ug/l	99
37) Ethyl Acetate	7.30	43	69466	49.667	ug/l	99
38) Carbon Tetrachloride	8.10	117	198771	50.021	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	210990	47.573	ug/l	95
40) Benzene	8.36	78	535000	52.216	ug/l	97
41) Methacrylonitrile	7.52	41	51138m	63.825	ug/l	
42) 1,2-Dichloroethane	8.43	62	155288	55.309	ug/l	99
43) Isopropyl Acetate	8.46	43	141439	51.776	ug/l	100
44) Trichloroethene	9.11	130	161573	52.111	ug/l	97
45) 1,2-Dichloropropane	9.39	63	132532	53.408	ug/l	99
46) Dibromomethane	9.47	93	72995	54.643	ug/l	96
47) Bromodichloromethane	9.67	83	195391	55.318	ug/l	97
48) Methyl methacrylate	9.46	41	68993	50.069	ug/l	88
49) 1,4-Dioxane	9.46	88	15483	1000.411	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	365683	265.679	ug/l	100
52) Toluene	10.41	92	360525	53.956	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	182862	55.569	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	220364	55.244	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	100001	52.783	ug/l	93
56) Ethyl methacrylate	10.67	69	125744	57.085	ug/l	98
57) 1,3-Dichloropropane	10.95	76	175330	55.902	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	259923	247.014	ug/l	98
59) 2-Hexanone	10.99	43	244920	256.775	ug/l	95
60) Dibromochloromethane	11.14	129	143162	56.043	ug/l	100
61) 1,2-Dibromoethane	11.25	107	102977	56.372	ug/l	100
64) Tetrachloroethene	10.88	164	144500	51.781	ug/l	94
65) Chlorobenzene	11.67	112	404540	53.739	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	154170	55.465	ug/l	99
67) Ethyl Benzene	11.75	91	688337	53.134	ug/l	99
68) m/p-Xylenes	11.86	106	532265	106.896	ug/l	98
69) o-Xylene	12.18	106	253415	55.956	ug/l	100
70) Styrene	12.20	104	438358	56.335	ug/l	99
71) Bromoform	12.37	173	87674	53.848	ug/l #	97
73) Isopropylbenzene	12.48	105	681126	53.003	ug/l	100
74) N-amyl acetate	12.30	43	138178	51.859	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	109691	51.649	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	79502m	49.718	ug/l	
77) Bromobenzene	12.77	156	173887	52.947	ug/l	95
78) n-propylbenzene	12.83	91	779538	52.276	ug/l	100
79) 2-Chlorotoluene	12.91	91	446238	52.379	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	577061	54.657	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	35571	51.044	ug/l	97
82) 4-Chlorotoluene	13.01	91	476358	52.974	ug/l	100
83) tert-Butylbenzene	13.23	119	498997	54.011	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	577511	55.444	ug/l	98
85) sec-Butylbenzene	13.41	105	661067	51.948	ug/l	100
86) p-Isopropyltoluene	13.52	119	625541	54.108	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	328146	53.817	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	325345	52.780	ug/l	99
89) n-Butylbenzene	13.85	91	555406	51.667	ug/l	99
90) Hexachloroethane	14.12	117	127462	53.258	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	287416	54.397	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17729	50.936	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	207671	54.757	ug/l	100
94) Hexachlorobutadiene	15.27	225	121086	51.642	ug/l	98
95) Naphthalene	15.41	128	342894	50.781	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	184386	55.924	ug/l	99

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

