

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072920\
 Data File : VD066082.D
 Acq On : 29 Jul 2020 09:50
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/30/2020 6:19:37 PM

Quant Time: Jul 30 01:39:01 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	260077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	354405	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	330284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	184996	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	113476	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	
35) Dibromofluoromethane	7.91	113	115547	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	
50) Toluene-d8	10.34	98	442443	55.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.50%	
62) 4-Bromofluorobenzene	12.64	95	158364	57.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	80416	40.743	ug/l	100
3) Chloromethane	2.21	50	64928	40.310	ug/l	97
4) Vinyl Chloride	2.35	62	70371	45.879	ug/l	96
5) Bromomethane	2.77	94	50871	46.842	ug/l	99
6) Chloroethane	2.93	64	45526	49.721	ug/l	92
7) Trichlorofluoromethane	3.27	101	189798	50.872	ug/l	100
8) Diethyl Ether	3.71	74	47000	45.576	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.10	101	109116	48.437	ug/l	96
10) Methyl Iodide	4.30	142	119537	52.084	ug/l	97
11) Tert butyl alcohol	5.21	59	31746	237.037	ug/l #	89
12) 1,1-Dichloroethene	4.07	96	102041	47.454	ug/l	90
13) Acrolein	3.91	56	37110	208.137	ug/l	97
14) Allyl chloride	4.71	41	145713	43.349	ug/l	90
15) Acrylonitrile	5.42	53	101963	231.434	ug/l	97
16) Acetone	4.15	43	127471	297.584	ug/l	95
17) Carbon Disulfide	4.40	76	285911	40.990	ug/l	99
18) Methyl Acetate	4.71	43	45326	45.486	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	224540	50.822	ug/l	97
20) Methylene Chloride	4.96	84	108059	45.347	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	113187	46.573	ug/l	99
22) Diisopropyl ether	6.36	45	293346	45.936	ug/l	98
23) Vinyl Acetate	6.30	43	866743	240.661	ug/l	96
24) 1,1-Dichloroethane	6.26	63	183363	47.389	ug/l	97
25) 2-Butanone	7.20	43	138436	243.558	ug/l	98
26) 2,2-Dichloropropane	7.20	77	182705	52.508	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	124542	48.400	ug/l	99
28) Bromochloromethane	7.54	49	76425	46.536	ug/l	88
29) Tetrahydrofuran	7.56	42	77020	219.619	ug/l	92
30) Chloroform	7.71	83	199265	49.232	ug/l	98
31) Cyclohexane	7.98	56	162943	42.804	ug/l	90
32) 1,1,1-Trichloroethane	7.90	97	195580	52.240	ug/l	99
36) 1,1-Dichloropropene	8.11	75	157931	52.214	ug/l	98
37) Ethyl Acetate	7.28	43	59427	51.446	ug/l	99
38) Carbon Tetrachloride	8.09	117	190454	58.031	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	186072	50.799	ug/l	97
40) Benzene	8.35	78	429178	50.718	ug/l	96
41) Methacrylonitrile	7.53	41	38532	58.230	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	129910	56.025	ug/l	98
43) Isopropyl Acetate	8.45	43	112851	50.020	ug/l	98
44) Trichloroethene	9.11	130	134796	52.640	ug/l	98
45) 1,2-Dichloropropane	9.38	63	102516	50.022	ug/l	98
46) Dibromomethane	9.48	93	58216	52.767	ug/l	96
47) Bromodichloromethane	9.66	83	157544	54.006	ug/l	99
48) Methyl methacrylate	9.46	41	52440	46.079	ug/l	85
49) 1,4-Dioxane	9.47	88	13473	1054.060	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	292805	257.578	ug/l	99
52) Toluene	10.40	92	292779	53.055	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	150777	55.478	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	175599	53.302	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	83661	53.467	ug/l	93
56) Ethyl methacrylate	10.66	69	100780	55.397	ug/l #	96
57) 1,3-Dichloropropane	10.95	76	136289	52.615	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	211377	243.228	ug/l	96
59) 2-Hexanone	10.98	43	217697	276.349	ug/l	96
60) Dibromochloromethane	11.14	129	118355	56.100	ug/l	98
61) 1,2-Dibromoethane	11.25	107	81661	54.128	ug/l	99
64) Tetrachloroethene	10.88	164	123049	54.889	ug/l	96
65) Chlorobenzene	11.67	112	318156	52.611	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.75	131	125397	56.158	ug/l	99
67) Ethyl Benzene	11.75	91	572590	55.020	ug/l	96
68) m/p-Xylenes	11.86	106	444687	111.172	ug/l	99
69) o-Xylene	12.18	106	201104	55.277	ug/l	95
70) Styrene	12.20	104	357348	57.167	ug/l	98
71) Bromoform	12.37	173	73320	56.057	ug/l #	99
73) Isopropylbenzene	12.48	105	577888	51.624	ug/l	99
74) N-amyl acetate	12.30	43	112456	48.452	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	86545	46.782	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	57103m	40.995	ug/l	
77) Bromobenzene	12.77	156	143079	50.013	ug/l	95
78) n-propylbenzene	12.83	91	673044	51.814	ug/l	100
79) 2-Chlorotoluene	12.91	91	373955	50.391	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	489854	53.263	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	31198	51.394	ug/l	95
82) 4-Chlorotoluene	13.01	91	398388	50.860	ug/l	100
83) tert-Butylbenzene	13.23	119	422547	52.505	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	478523	52.739	ug/l	99
85) sec-Butylbenzene	13.41	105	592641	53.463	ug/l	100
86) p-Isopropyltoluene	13.53	119	546122	54.229	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	269740	50.785	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	274524	51.127	ug/l	98
89) n-Butylbenzene	13.85	91	498442	53.230	ug/l	98
90) Hexachloroethane	14.12	117	104940	50.337	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	237736	51.653	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14434	47.607	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	179507	54.336	ug/l	99
94) Hexachlorobutadiene	15.28	225	112795	55.225	ug/l	99
95) Naphthalene	15.41	128	285433	48.685	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	152727	53.177	ug/l	100

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

