

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052820\
 Data File : VY002791.D
 Acq On : 28 May 2020 16:32
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/29/2020 10:57:09 AM

Quant Time: May 28 17:11:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	316864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	475858	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	446252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	239140	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	142900	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
35) Dibromofluoromethane	7.72	113	148034	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
50) Toluene-d8	10.18	98	572873	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.48	95	199283	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	97788	44.851	ug/l	98
3) Chloromethane	2.12	50	115606	47.937	ug/l	99
4) Vinyl Chloride	2.25	62	125338	49.172	ug/l	98
5) Bromomethane	2.65	94	94556	49.501	ug/l	98
6) Chloroethane	2.79	64	82222	49.759	ug/l	99
7) Trichlorofluoromethane	3.13	101	218598	48.421	ug/l	98
8) Diethyl Ether	3.53	74	84565	47.973	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	136157	50.797	ug/l	98
10) Methyl Iodide	4.10	142	185539	49.469	ug/l	99
11) Tert butyl alcohol	4.97	59	80420	273.144	ug/l	100
12) 1,1-Dichloroethene	3.88	96	136477	50.629	ug/l	99
13) Acrolein	3.73	56	75886	235.367	ug/l	100
14) Allyl chloride	4.49	41	206526	53.419	ug/l	98
15) Acrylonitrile	5.17	53	213599	268.594	ug/l	100
16) Acetone	3.96	43	165331	256.273	ug/l	99
17) Carbon Disulfide	4.19	76	401105	49.241	ug/l	97
18) Methyl Acetate	4.48	43	88489	54.755	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	388337	52.184	ug/l	98
20) Methylene Chloride	4.72	84	159748	50.670	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	152460	50.292	ug/l	96
22) Diisopropyl ether	6.13	45	430855	53.629	ug/l	99
23) Vinyl Acetate	6.07	43	1457913	274.857	ug/l	99
24) 1,1-Dichloroethane	6.02	63	246596	52.471	ug/l	98
25) 2-Butanone	6.99	43	266134	264.778	ug/l	96
26) 2,2-Dichloropropane	6.99	77	218360	48.446	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	174027	51.280	ug/l	100
28) Bromochloromethane	7.34	49	101041	52.372	ug/l	98
29) Tetrahydrofuran	7.35	42	177014	270.749	ug/l	99
30) Chloroform	7.51	83	259545	52.044	ug/l	98
31) Cyclohexane	7.79	56	224396	48.090	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	231095	49.728	ug/l	99
36) 1,1-Dichloropropene	7.92	75	200452	50.007	ug/l	100
37) Ethyl Acetate	7.08	43	116707	53.512	ug/l	99
38) Carbon Tetrachloride	7.91	117	215233	48.334	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	259101	49.039	ug/l	96
40) Benzene	8.16	78	597575	50.452	ug/l	99
41) Methacrylonitrile	7.33	41	74898m	63.925	ug/l	
42) 1,2-Dichloroethane	8.24	62	165930	49.988	ug/l	100
43) Isopropyl Acetate	8.28	43	218257	52.810	ug/l	100
44) Trichloroethene	8.94	130	186343	49.807	ug/l	99
45) 1,2-Dichloropropane	9.22	63	146763	51.670	ug/l	98
46) Dibromomethane	9.31	93	87257	51.727	ug/l	99
47) Bromodichloromethane	9.50	83	206689	51.974	ug/l	99
48) Methyl methacrylate	9.30	41	99258	53.201	ug/l	98
49) 1,4-Dioxane	9.30	88	27702	1069.517	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	585339	267.465	ug/l	98
52) Toluene	10.24	92	385374	49.737	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	221705	51.042	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	252110	51.223	ug/l	100
55) 1,1,2-Trichloroethane	10.64	97	131646	50.975	ug/l	96
56) Ethyl methacrylate	10.51	69	183745	53.120	ug/l	99
57) 1,3-Dichloropropane	10.79	76	217796	51.273	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	441481	261.199	ug/l	99
59) 2-Hexanone	10.83	43	412199	265.460	ug/l	100
60) Dibromochloromethane	10.99	129	167013	51.009	ug/l	100
61) 1,2-Dibromoethane	11.09	107	129668	50.899	ug/l	100
64) Tetrachloroethene	10.72	164	192940	47.572	ug/l	99
65) Chlorobenzene	11.52	112	439427	49.821	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	166394	50.090	ug/l	100
67) Ethyl Benzene	11.59	91	752492	49.212	ug/l	100
68) m/p-Xylenes	11.70	106	588001	99.181	ug/l	99
69) o-Xylene	12.03	106	276696	49.439	ug/l	98
70) Styrene	12.04	104	491945	50.705	ug/l	99
71) Bromoform	12.20	173	111023	49.948	ug/l #	98
73) Isopropylbenzene	12.33	105	756423	49.359	ug/l	100
74) N-amyl acetate	12.14	43	208127	52.930	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	139882	52.022	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	103965m	48.248	ug/l	
77) Bromobenzene	12.61	156	196968	49.360	ug/l	99
78) n-propylbenzene	12.67	91	877754	49.584	ug/l	99
79) 2-Chlorotoluene	12.75	91	492492	49.596	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	635810	49.689	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	58944	51.536	ug/l	100
82) 4-Chlorotoluene	12.85	91	511487	49.163	ug/l	100
83) tert-Butylbenzene	13.07	119	568804	49.834	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	640727	49.799	ug/l	100
85) sec-Butylbenzene	13.25	105	770169	49.350	ug/l	100
86) p-Isopropyltoluene	13.37	119	723256	49.805	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	369568	48.893	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	370440	48.992	ug/l	99
89) n-Butylbenzene	13.69	91	658773	49.967	ug/l	100
90) Hexachloroethane	13.96	117	134405	49.439	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	337571	49.245	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	26778	51.763	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	256099	49.565	ug/l	100
94) Hexachlorobutadiene	15.11	225	144433	49.285	ug/l	100
95) Naphthalene	15.23	128	523782	50.559	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	228333	49.487	ug/l	100

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

