

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061920\
 Data File : VY002961.D
 Acq On : 20 Jun 2020 00:33
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 2:07:18 PM

Quant Time: Jun 20 05:26:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 15:04:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	326187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	500773	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	472028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	253790	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	150663	55.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.84%	
35) Dibromofluoromethane	7.72	113	153835	54.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.58%	
50) Toluene-d8	10.18	98	605608	54.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.42%	
62) 4-Bromofluorobenzene	12.48	95	209645	54.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	99610	47.901	ug/l	99
3) Chloromethane	2.12	50	119474	50.601	ug/l	100
4) Vinyl Chloride	2.26	62	126359	49.844	ug/l	99
5) Bromomethane	2.65	94	102831	54.971	ug/l	98
6) Chloroethane	2.80	64	86103	52.512	ug/l	95
7) Trichlorofluoromethane	3.13	101	222384	48.851	ug/l	98
8) Diethyl Ether	3.54	74	89935	54.753	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	134994	49.238	ug/l	99
10) Methyl Iodide	4.10	142	187197	49.318	ug/l	100
11) Tert butyl alcohol	4.97	59	70777	242.301	ug/l	99
12) 1,1-Dichloroethene	3.88	96	138202	50.833	ug/l	97
13) Acrolein	3.74	56	68887	254.510	ug/l	99
14) Allyl chloride	4.49	41	206139	52.568	ug/l	99
15) Acrylonitrile	5.18	53	213072	270.476	ug/l	99
16) Acetone	3.96	43	151011	226.300	ug/l	99
17) Carbon Disulfide	4.20	76	434091	54.006	ug/l	100
18) Methyl Acetate	4.49	43	88454	52.522	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	403276	54.461	ug/l	98
20) Methylene Chloride	4.72	84	170616	53.131	ug/l	98
21) trans-1,2-Dichloroethene	5.23	96	161043	53.351	ug/l	96
22) Diisopropyl ether	6.13	45	433230	54.114	ug/l	99
23) Vinyl Acetate	6.07	43	1467383	283.353	ug/l	98
24) 1,1-Dichloroethane	6.03	63	253082	53.361	ug/l	100
25) 2-Butanone	7.00	43	255174	255.189	ug/l	99
26) 2,2-Dichloropropane	6.99	77	201301	45.444	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	178008	52.764	ug/l	99
28) Bromochloromethane	7.34	49	109156	55.046	ug/l	96
29) Tetrahydrofuran	7.35	42	174788	270.607	ug/l	99
30) Chloroform	7.52	83	265965	53.542	ug/l	99
31) Cyclohexane	7.79	56	224066	48.433	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	235058	51.354	ug/l	99
36) 1,1-Dichloropropene	7.93	75	200934	49.406	ug/l	100
37) Ethyl Acetate	7.08	43	113679	50.339	ug/l	100
38) Carbon Tetrachloride	7.91	117	217897	48.616	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	256948	47.928	ug/l	98
40) Benzene	8.17	78	616939	50.953	ug/l	100
41) Methacrylonitrile	7.32	41	58272m	51.541	ug/l	
42) 1,2-Dichloroethane	8.24	62	173511	51.631	ug/l	100
43) Isopropyl Acetate	8.28	43	220401	52.411	ug/l	99
44) Trichloroethene	8.94	130	187491	49.990	ug/l	99
45) 1,2-Dichloropropane	9.22	63	148584	51.028	ug/l	99
46) Dibromomethane	9.31	93	89825	51.666	ug/l	98
47) Bromodichloromethane	9.50	83	213271	52.542	ug/l	100
48) Methyl methacrylate	9.30	41	98296	52.093	ug/l	97
49) 1,4-Dioxane	9.30	88	25442	998.462	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	580917	260.681	ug/l	99
52) Toluene	10.25	92	397678	50.748	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	223407	50.642	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	254534	50.973	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	133388	51.447	ug/l	98
56) Ethyl methacrylate	10.51	69	188278	53.870	ug/l	99
57) 1,3-Dichloropropane	10.79	76	223173	51.618	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	490187	281.595	ug/l	100
59) 2-Hexanone	10.83	43	408998	261.053	ug/l	99
60) Dibromochloromethane	10.99	129	173546	52.486	ug/l	99
61) 1,2-Dibromoethane	11.09	107	135181	52.554	ug/l	99
64) Tetrachloroethene	10.72	164	194191	49.370	ug/l	99
65) Chlorobenzene	11.52	112	446456	49.967	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	171724	50.846	ug/l	100
67) Ethyl Benzene	11.59	91	772362	50.114	ug/l	99
68) m/p-Xylenes	11.70	106	598623	99.954	ug/l	100
69) o-Xylene	12.03	106	287113	50.859	ug/l	100
70) Styrene	12.04	104	504762	51.749	ug/l	99
71) Bromoform	12.20	173	116084	51.351	ug/l #	99
73) Isopropylbenzene	12.33	105	760539	48.896	ug/l	99
74) N-amyl acetate	12.14	43	207391	51.774	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	145214	50.355	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	109866m	49.707	ug/l	
77) Bromobenzene	12.61	156	201748	49.541	ug/l	98
78) n-propylbenzene	12.67	91	879700	48.749	ug/l	100
79) 2-Chlorotoluene	12.75	91	498236	49.295	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	640016	49.358	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	55924	48.307	ug/l	99
82) 4-Chlorotoluene	12.85	91	523123	49.215	ug/l	100
83) tert-Butylbenzene	13.08	119	563488	48.516	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	647010	49.588	ug/l	99
85) sec-Butylbenzene	13.25	105	760322	48.123	ug/l	100
86) p-Isopropyltoluene	13.37	119	717958	48.446	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	377878	49.228	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	379477	49.367	ug/l	100
89) n-Butylbenzene	13.69	91	640510	47.809	ug/l	100
90) Hexachloroethane	13.96	117	135103	48.944	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	348543	49.889	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	26311	48.836	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	259091	49.421	ug/l	99
94) Hexachlorobutadiene	15.11	225	141480	46.821	ug/l	100
95) Naphthalene	15.23	128	530067	50.730	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	232966	49.807	ug/l	99

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

