

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020520\
 Data File : VY001522.D
 Acq On : 05 Feb 2020 20:53
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 12:47:06 PM

Quant Time: Feb 06 08:12:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	188014	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.72	114	339288	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	310401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	149284	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.18	65	113099	59.75	ug/l	0.01
Spiked Amount	50.000		Recovery	=	119.50%	
35) Dibromofluoromethane	7.75	113	101253	51.75	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.50%	
50) Toluene-d8	10.20	98	415457	56.13	ug/l	0.01
Spiked Amount	50.000		Recovery	=	112.26%	
62) 4-Bromofluorobenzene	12.49	95	158514	54.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	89251	48.495	ug/l	98
3) Chloromethane	2.13	50	120190	62.484	ug/l	97
4) Vinyl Chloride	2.27	62	121945	61.055	ug/l	98
5) Bromomethane	2.67	94	83472	66.453	ug/l	99
6) Chloroethane	2.82	64	78014	64.800	ug/l	99
7) Trichlorofluoromethane	3.15	101	158928	48.072	ug/l	100
8) Diethyl Ether	3.56	74	64959	58.226	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.94	101	98866	49.701	ug/l	99
10) Methyl Iodide	4.13	142	127259	50.208	ug/l	98
11) Tert butyl alcohol	5.00	59	60877	291.602	ug/l	98
12) 1,1-Dichloroethene	3.91	96	101648	51.423	ug/l	92
13) Acrolein	3.77	56	47330	264.047	ug/l	99
14) Allyl chloride	4.52	41	180505	59.692	ug/l	97
15) Acrylonitrile	5.21	53	171914	336.130	ug/l	100
16) Acetone	3.98	43	153210	279.795	ug/l	94
17) Carbon Disulfide	4.23	76	337099	53.569	ug/l	98
18) Methyl Acetate	4.52	43	79538	68.067	ug/l	95
19) Methyl tert-butyl Ether	5.27	73	306189	58.246	ug/l	95
20) Methylene Chloride	4.76	84	123523	58.406	ug/l	92
21) trans-1,2-Dichloroethene	5.27	96	119216	54.251	ug/l	96
22) Diisopropyl ether	6.16	45	390563	65.191	ug/l	97
23) Vinyl Acetate	6.10	43	1265476	331.811	ug/l	95
24) 1,1-Dichloroethane	6.07	63	206760	57.376	ug/l	98
25) 2-Butanone	7.02	43	237974	334.986	ug/l	97
26) 2,2-Dichloropropane	7.02	77	169128	49.039	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	133779	55.738	ug/l	97
28) Bromochloromethane	7.37	49	87109	70.958	ug/l	89
29) Tetrahydrofuran	7.38	42	155989	366.351	ug/l	94
30) Chloroform	7.54	83	201150	55.107	ug/l	97
31) Cyclohexane	7.82	56	199841	54.214	ug/l	94
32) 1,1,1-Trichloroethane	7.74	97	171743	51.895	ug/l	98
36) 1,1-Dichloropropene	7.95	75	160940	51.852	ug/l	99
37) Ethyl Acetate	7.11	43	104182	69.337	ug/l	96
38) Carbon Tetrachloride	7.93	117	147168	49.007	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	210712	51.558	ug/l	99
40) Benzene	8.19	78	486085	54.905	ug/l	99
41) Methacrylonitrile	7.35	41	45399m	65.192	ug/l	
42) 1,2-Dichloroethane	8.27	62	143105	58.020	ug/l	99
43) Isopropyl Acetate	8.30	43	200143	67.275	ug/l	95
44) Trichloroethene	8.96	130	123615	51.801	ug/l	99
45) 1,2-Dichloropropane	9.24	63	124514	58.244	ug/l	98
46) Dibromomethane	9.33	93	67548	56.269	ug/l	99
47) Bromodichloromethane	9.52	83	162063	55.408	ug/l	99
48) Methyl methacrylate	9.32	41	92474	68.487	ug/l	94
49) 1,4-Dioxane	9.32	88	18521	1168.249	ug/l	94
51) 4-Methyl-2-Pentanone	10.09	43	517364	353.126	ug/l	96
52) Toluene	10.26	92	305508	54.386	ug/l	98
53) t-1,3-Dichloropropene	10.49	75	180478	56.651	ug/l	100
54) cis-1,3-Dichloropropene	9.95	75	203131	55.540	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	99840	57.968	ug/l	97
56) Ethyl methacrylate	10.52	69	153368	62.606	ug/l	93
57) 1,3-Dichloropropane	10.81	76	176345	58.083	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	273572	303.566	ug/l	96
59) 2-Hexanone	10.85	43	374520	351.578	ug/l	95
60) Dibromochloromethane	11.00	129	112635	55.480	ug/l	100
61) 1,2-Dibromoethane	11.11	107	96983	57.170	ug/l	99
64) Tetrachloroethene	10.74	164	111116	54.585	ug/l	98
65) Chlorobenzene	11.53	112	322876	52.977	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	113446	53.184	ug/l	99
67) Ethyl Benzene	11.61	91	595790	52.871	ug/l	100
68) m/p-Xylenes	11.72	106	443118	104.746	ug/l	99
69) o-Xylene	12.04	106	214881	53.873	ug/l	99
70) Styrene	12.06	104	378076	54.812	ug/l	99
71) Bromoform	12.22	173	67571	56.889	ug/l #	98
73) Isopropylbenzene	12.35	105	575359	50.534	ug/l	100
74) N-amyl acetate	12.16	43	194436	65.719	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.59	83	127281	58.840	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	93788m	58.420	ug/l	
77) Bromobenzene	12.62	156	127695	51.825	ug/l	92
78) n-propylbenzene	12.68	91	699315	51.305	ug/l	99
79) 2-Chlorotoluene	12.77	91	403036	51.874	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	490399	51.144	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	46917	56.548	ug/l	96
82) 4-Chlorotoluene	12.87	91	431144	52.926	ug/l	99
83) tert-Butylbenzene	13.09	119	408423	50.391	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	488050	51.426	ug/l	100
85) sec-Butylbenzene	13.27	105	586190	51.441	ug/l	99
86) p-Isopropyltoluene	13.38	119	514694	51.254	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	246360	52.172	ug/l	100
88) 1,4-Dichlorobenzene	13.46	146	248170	52.459	ug/l	100
89) n-Butylbenzene	13.71	91	518191	52.300	ug/l	99
90) Hexachloroethane	13.97	117	100514	52.150	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	228521	53.402	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	22061	55.243	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	149075	51.695	ug/l	99
94) Hexachlorobutadiene	15.13	225	70883	48.431	ug/l	97
95) Naphthalene	15.25	128	354665	52.331	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	132318	51.980	ug/l	98

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

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