

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021220\
 Data File : VY001608.D
 Acq On : 12 Feb 2020 11:15
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 12:27:49 PM

Quant Time: Feb 13 07:53:12 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	7.82	168	194840	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	339109	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	306847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	149186	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	103277	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
35) Dibromofluoromethane	7.75	113	97957	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
50) Toluene-d8	10.19	98	406234	54.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.82%	
62) 4-Bromofluorobenzene	12.49	95	151278	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	82772	43.399	ug/l	97
3) Chloromethane	2.13	50	109129	54.746	ug/l	96
4) Vinyl Chloride	2.27	62	114431	55.285	ug/l	100
5) Bromomethane	2.67	94	73356	56.353	ug/l	100
6) Chloroethane	2.82	64	72363	58.000	ug/l	96
7) Trichlorofluoromethane	3.15	101	148425	43.322	ug/l	96
8) Diethyl Ether	3.55	74	57772	49.969	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.93	101	95274	46.217	ug/l	99
10) Methyl Iodide	4.12	142	120491	45.872	ug/l	99
11) Tert butyl alcohol	4.99	59	50785	227.113	ug/l	98
12) 1,1-Dichloroethene	3.90	96	95901	46.816	ug/l	98
13) Acrolein	3.76	56	47090	253.505	ug/l	99
14) Allyl chloride	4.51	41	168963	53.918	ug/l	97
15) Acrylonitrile	5.21	53	152433	287.599	ug/l	99
16) Acetone	3.98	43	167059	294.398	ug/l	98
17) Carbon Disulfide	4.22	76	304793	46.739	ug/l	99
18) Methyl Acetate	4.51	43	68651	56.692	ug/l	97
19) Methyl tert-butyl Ether	5.26	73	265446	48.726	ug/l	95
20) Methylene Chloride	4.75	84	109567	49.240	ug/l	90
21) trans-1,2-Dichloroethene	5.26	96	109988	48.298	ug/l	97
22) Diisopropyl ether	6.15	45	355144	57.203	ug/l	94
23) Vinyl Acetate	6.10	43	1174109	297.069	ug/l	95
24) 1,1-Dichloroethane	6.05	63	189264	50.681	ug/l	96
25) 2-Butanone	7.02	43	227101	308.481	ug/l	92
26) 2,2-Dichloropropane	7.01	77	165155	46.209	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	120972	48.636	ug/l	97
28) Bromochloromethane	7.36	49	84708	66.585	ug/l	88
29) Tetrahydrofuran	7.38	42	135738	307.621	ug/l	93
30) Chloroform	7.53	83	181825	48.068	ug/l	99
31) Cyclohexane	7.81	56	192934	50.506	ug/l	94
32) 1,1,1-Trichloroethane	7.73	97	158359	46.174	ug/l	97
36) 1,1-Dichloropropene	7.94	75	152968	49.309	ug/l	98
37) Ethyl Acetate	7.10	43	89899	59.862	ug/l	97
38) Carbon Tetrachloride	7.93	117	137082	45.673	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	197967	48.465	ug/l	96
40) Benzene	8.18	78	448207	50.654	ug/l	100
41) Methacrylonitrile	7.34	41	33023m	47.446	ug/l	
42) 1,2-Dichloroethane	8.26	62	120337	48.815	ug/l	99
43) Isopropyl Acetate	8.30	43	175813	59.128	ug/l	95
44) Trichloroethene	8.96	130	112458	47.150	ug/l	98
45) 1,2-Dichloropropane	9.24	63	113224	52.990	ug/l	99
46) Dibromomethane	9.32	93	59087	49.247	ug/l	99
47) Bromodichloromethane	9.51	83	143896	49.223	ug/l	97
48) Methyl methacrylate	9.31	41	79278	58.745	ug/l	92
49) 1,4-Dioxane	9.32	88	15429	973.729	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	456662	311.859	ug/l	95
52) Toluene	10.26	92	283113	50.426	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	158421	49.754	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	181686	49.702	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	88129	51.195	ug/l	99
56) Ethyl methacrylate	10.52	69	133759	54.630	ug/l	94
57) 1,3-Dichloropropane	10.80	76	154809	51.017	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	265054	294.269	ug/l	95
59) 2-Hexanone	10.85	43	343750	322.863	ug/l	96
60) Dibromochloromethane	11.00	129	98381	48.484	ug/l	100
61) 1,2-Dibromoethane	11.10	107	83962	49.520	ug/l	98
64) Tetrachloroethene	10.73	164	91267	45.354	ug/l	98
65) Chlorobenzene	11.53	112	291078	48.312	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	100491	47.656	ug/l	99
67) Ethyl Benzene	11.60	91	542679	48.715	ug/l	98
68) m/p-Xylenes	11.71	106	410407	98.138	ug/l	99
69) o-Xylene	12.04	106	195206	49.507	ug/l	99
70) Styrene	12.05	104	340375	49.918	ug/l	99
71) Bromoform	12.22	173	58585	49.895	ug/l #	100
73) Isopropylbenzene	12.34	105	529932	46.574	ug/l	100
74) N-amyl acetate	12.16	43	169260	57.247	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.60	83	113619	52.559	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	78558m	48.966	ug/l	
77) Bromobenzene	12.62	156	112611	45.733	ug/l	93
78) n-propylbenzene	12.68	91	653214	47.954	ug/l	99
79) 2-Chlorotoluene	12.77	91	360406	46.417	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	441798	46.105	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	41117	49.590	ug/l	96
82) 4-Chlorotoluene	12.86	91	380810	46.778	ug/l	99
83) tert-Butylbenzene	13.09	119	382359	47.207	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	442582	46.666	ug/l	100
85) sec-Butylbenzene	13.27	105	549820	48.281	ug/l	99
86) p-Isopropyltoluene	13.38	119	479668	47.798	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	224016	47.471	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	225813	47.765	ug/l	98
89) n-Butylbenzene	13.71	91	491789	49.668	ug/l	99
90) Hexachloroethane	13.97	117	92172	47.853	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	205187	47.981	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	18227	45.673	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	132053	45.822	ug/l	98
94) Hexachlorobutadiene	15.13	225	67392	46.076	ug/l	98
95) Naphthalene	15.25	128	311292	45.961	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	117642	46.245	ug/l	99

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

