

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022020\
 Data File : VY001730.D
 Acq On : 20 Feb 2020 17:54
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 3:23:31 PM

Quant Time: Feb 21 08:45:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	199444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	362854	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	328572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	152321	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	107730	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
35) Dibromofluoromethane	7.75	113	96761	46.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.12%	
50) Toluene-d8	10.19	98	405862	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
62) 4-Bromofluorobenzene	12.49	95	147956	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	108469	55.793	ug/l	99
3) Chloromethane	2.13	50	135582	51.849	ug/l	99
4) Vinyl Chloride	2.26	62	136038	51.578	ug/l	100
5) Bromomethane	2.66	94	88944	53.958	ug/l	98
6) Chloroethane	2.81	64	85577	52.654	ug/l	100
7) Trichlorofluoromethane	3.15	101	178671	52.930	ug/l	99
8) Diethyl Ether	3.55	74	71274	53.560	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	113086	53.299	ug/l	100
10) Methyl Iodide	4.11	142	132511	51.031	ug/l	99
11) Tert butyl alcohol	4.99	59	66603	270.016	ug/l #	87
12) 1,1-Dichloroethene	3.90	96	114798	53.049	ug/l	98
13) Acrolein	3.75	56	55620	256.709	ug/l	99
14) Allyl chloride	4.51	41	208806	54.217	ug/l	98
15) Acrylonitrile	5.20	53	189291	277.511	ug/l	100
16) Acetone	3.97	43	171446	230.965	ug/l	97
17) Carbon Disulfide	4.22	76	369016	51.077	ug/l	100
18) Methyl Acetate	4.50	43	87591	54.184	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	324197	53.808	ug/l	99
20) Methylene Chloride	4.75	84	131709	49.953	ug/l	98
21) trans-1,2-Dichloroethene	5.25	96	127966	51.830	ug/l	96
22) Diisopropyl ether	6.15	45	429478	54.302	ug/l	98
23) Vinyl Acetate	6.10	43	1430436	277.267	ug/l	98
24) 1,1-Dichloroethane	6.05	63	227731	53.872	ug/l	99
25) 2-Butanone	7.02	43	259360	257.203	ug/l	99
26) 2,2-Dichloropropane	7.02	77	192529	52.349	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	144655	53.079	ug/l	99
28) Bromochloromethane	7.36	49	101723	57.767	ug/l	98
29) Tetrahydrofuran	7.38	42	170255	279.340	ug/l	98
30) Chloroform	7.53	83	217613	52.685	ug/l	100
31) Cyclohexane	7.81	56	231558	51.376	ug/l	99
32) 1,1,1-Trichloroethane	7.73	97	185807	53.523	ug/l	99
36) 1,1-Dichloropropene	7.94	75	180023	51.940	ug/l	99
37) Ethyl Acetate	7.11	43	111120	53.716	ug/l	100
38) Carbon Tetrachloride	7.92	117	156482	51.401	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	237664	51.687	ug/l	98
40) Benzene	8.19	78	531128	52.104	ug/l	98
41) Methacrylonitrile	7.35	41	49254m	47.419	ug/l	
42) 1,2-Dichloroethane	8.26	62	147306	53.044	ug/l	100
43) Isopropyl Acetate	8.30	43	214397	54.623	ug/l	99
44) Trichloroethene	8.96	130	130432	51.258	ug/l	99
45) 1,2-Dichloropropane	9.24	63	136821	53.595	ug/l	100
46) Dibromomethane	9.32	93	70840	53.054	ug/l	98
47) Bromodichloromethane	9.52	83	169845	52.704	ug/l	99
48) Methyl methacrylate	9.31	41	96268	54.232	ug/l	99
49) 1,4-Dioxane	9.31	88	19729	1046.129	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	552016	273.732	ug/l	98
52) Toluene	10.26	92	330954	52.049	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	189467	53.182	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	215988	52.676	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	104237	52.942	ug/l	99
56) Ethyl methacrylate	10.52	69	162103	54.882	ug/l	98
57) 1,3-Dichloropropane	10.80	76	186318	53.259	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	291843	263.785	ug/l	99
59) 2-Hexanone	10.85	43	392734	259.555	ug/l	99
60) Dibromochloromethane	11.00	129	112242	51.708	ug/l	99
61) 1,2-Dibromoethane	11.10	107	100891	54.195	ug/l	99
64) Tetrachloroethene	10.74	164	104165	50.501	ug/l	97
65) Chlorobenzene	11.53	112	336604	51.312	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	116170	52.498	ug/l	99
67) Ethyl Benzene	11.61	91	633643	52.050	ug/l	99
68) m/p-Xylenes	11.72	106	471565	103.700	ug/l	99
69) o-Xylene	12.04	106	226050	52.288	ug/l	98
70) Styrene	12.06	104	393691	52.399	ug/l	99
71) Bromoform	12.22	173	65880	52.095	ug/l #	99
73) Isopropylbenzene	12.34	105	605877	52.212	ug/l	100
74) N-amyl acetate	12.16	43	200554	54.154	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	134812	54.410	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	95542m	54.679	ug/l	
77) Bromobenzene	12.62	156	129207	51.363	ug/l	99
78) n-propylbenzene	12.69	91	751847	53.199	ug/l	100
79) 2-Chlorotoluene	12.77	91	418623	52.813	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	503639	52.431	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	48952	53.150	ug/l	96
82) 4-Chlorotoluene	12.87	91	441153	52.769	ug/l	100
83) tert-Butylbenzene	13.09	119	426517	53.090	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	506050	52.843	ug/l	100
85) sec-Butylbenzene	13.27	105	619007	52.389	ug/l	100
86) p-Isopropyltoluene	13.38	119	535277	52.148	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	251916	51.636	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	251148	50.927	ug/l	99
89) n-Butylbenzene	13.71	91	553961	52.816	ug/l	99
90) Hexachloroethane	13.97	117	101863	52.671	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	230582	51.214	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	22442	54.883	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	151017	50.616	ug/l	99
94) Hexachlorobutadiene	15.12	225	72470	48.841	ug/l	100
95) Naphthalene	15.25	128	365832	53.179	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	132465	50.466	ug/l	100

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

