

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041720\
 Data File : VY002386.D
 Acq On : 17 Apr 2020 10:08
 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
 4/20/2020 11:41:31 AM

Quant Time: Apr 18 04:47:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	168932	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	296872	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.51	117	265252	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.44	152	117323	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	80469	42.83	ug/l	0.01
Spiked Amount						
			Recovery	=	85.66%	
35) Dibromofluoromethane	7.74	113	89355	50.58	ug/l	0.00
Spiked Amount						
			Recovery	=	101.16%	
50) Toluene-d8	10.20	98	370493	50.11	ug/l	0.01
Spiked Amount						
			Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.50	95	121093	49.64	ug/l	0.01
Spiked Amount						
			Recovery	=	99.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	90572	53.049	ug/l	97
3) Chloromethane	2.13	50	109571	50.992	ug/l	99
4) Vinyl Chloride	2.27	62	120285	52.592	ug/l	98
5) Bromomethane	2.66	94	71368	50.531	ug/l	93
6) Chloroethane	2.81	64	68321	51.797	ug/l	98
7) Trichlorofluoromethane	3.15	101	153808	52.074	ug/l	96
8) Diethyl Ether	3.55	74	68650	54.672	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.93	101	109836	54.744	ug/l	98
10) Methyl Iodide	4.12	142	134133	57.514	ug/l	96
11) Tert butyl alcohol	4.99	59	53423	269.571	ug/l	98
12) 1,1-Dichloroethene	3.90	96	114252	56.011	ug/l	88
13) Acrolein	3.75	56	52926	218.497	ug/l	100
14) Allyl chloride	4.51	41	146024	44.331	ug/l #	93
15) Acrylonitrile	5.20	53	163425	254.507	ug/l	98
16) Acetone	3.97	43	150832	304.833	ug/l #	88
17) Carbon Disulfide	4.22	76	357250	52.735	ug/l	97
18) Methyl Acetate	4.51	43	70704	46.068	ug/l	93
19) Methyl tert-butyl Ether	5.25	73	275306	51.338	ug/l	98
20) Methylene Chloride	4.75	84	125788	51.722	ug/l	91
21) trans-1,2-Dichloroethene	5.25	96	124108	54.206	ug/l	94
22) Diisopropyl ether	6.15	45	300558	45.341	ug/l	96
23) Vinyl Acetate	6.09	43	960756	227.434	ug/l #	93
24) 1,1-Dichloroethane	6.05	63	189524	50.265	ug/l	99
25) 2-Butanone	7.02	43	199032	254.176	ug/l	94
26) 2,2-Dichloropropane	7.02	77	155766	49.387	ug/l	96
27) cis-1,2-Dichloroethene	7.02	96	133904	53.651	ug/l	91
28) Bromochloromethane	7.36	49	70103	43.071	ug/l #	82
29) Tetrahydrofuran	7.37	42	116693	225.444	ug/l	89
30) Chloroform	7.53	83	183768	51.704	ug/l	99
31) Cyclohexane	7.81	56	182405	46.088	ug/l	88
32) 1,1,1-Trichloroethane	7.73	97	154473	52.217	ug/l	97
36) 1,1-Dichloropropene	7.94	75	153148	52.374	ug/l	98
37) Ethyl Acetate	7.10	43	77865	46.612	ug/l	95
38) Carbon Tetrachloride	7.92	117	134627	53.824	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	211479	53.166	ug/l	93
40) Benzene	8.19	78	479310	54.026	ug/l	99
41) Methacrylonitrile	7.35	41	42591m	43.220	ug/l	
42) 1,2-Dichloroethane	8.26	62	105174	47.857	ug/l	96
43) Isopropyl Acetate	8.29	43	139714	45.858	ug/l #	92
44) Trichloroethene	8.96	130	142243	54.533	ug/l	92
45) 1,2-Dichloropropane	9.24	63	112481	51.098	ug/l	98
46) Dibromomethane	9.33	93	61611	53.531	ug/l	96
47) Bromodichloromethane	9.52	83	139542	52.839	ug/l	99
48) Methyl methacrylate	9.31	41	62992	46.111	ug/l	88
49) 1,4-Dioxane	9.32	88	18330	1125.865	ug/l	91
51) 4-Methyl-2-Pentanone	10.09	43	371565	234.050	ug/l	94
52) Toluene	10.26	92	292312	54.672	ug/l	99
53) t-1,3-Dichloropropene	10.49	75	152553	53.018	ug/l	99
54) cis-1,3-Dichloropropene	9.95	75	184289	53.274	ug/l	93
55) 1,1,2-Trichloroethane	10.66	97	93656	55.581	ug/l	95
56) Ethyl methacrylate	10.53	69	129120	53.689	ug/l	88
57) 1,3-Dichloropropane	10.81	76	157548	53.194	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	314026	252.147	ug/l	96
59) 2-Hexanone	10.85	43	274445	249.088	ug/l	91
60) Dibromochloromethane	11.00	129	101210	56.329	ug/l	99
61) 1,2-Dibromoethane	11.11	107	88738	55.317	ug/l	100
64) Tetrachloroethene	10.74	164	148875	55.514	ug/l	98
65) Chlorobenzene	11.53	112	304902	55.298	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.61	131	101575	55.797	ug/l	98
67) Ethyl Benzene	11.61	91	548430	54.332	ug/l	100
68) m/p-Xylenes	11.72	106	418173	110.608	ug/l	95
69) o-Xylene	12.05	106	195821	55.170	ug/l	95
70) Styrene	12.06	104	342787	55.665	ug/l	97
71) Bromoform	12.22	173	57693	58.277	ug/l #	99
73) Isopropylbenzene	12.34	105	517586	56.155	ug/l	98
74) N-amyl acetate	12.16	43	127294	48.653	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.60	83	70038	62.806	ug/l	99
76) 1,2,3-Trichloropropane	12.65	75	65075m	47.766	ug/l	
77) Bromobenzene	12.63	156	116042	57.225	ug/l	94
78) n-propylbenzene	12.69	91	628460	54.824	ug/l	98
79) 2-Chlorotoluene	12.77	91	338782	54.382	ug/l	97
80) 1,3,5-Trimethylbenzene	12.83	105	422872	55.475	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	39446	56.315	ug/l	94
82) 4-Chlorotoluene	12.87	91	345092	52.852	ug/l	96
83) tert-Butylbenzene	13.09	119	358171	56.096	ug/l	98
84) 1,2,4-Trimethylbenzene	13.14	105	418068	54.923	ug/l	98
85) sec-Butylbenzene	13.27	105	525733	55.273	ug/l	99
86) p-Isopropyltoluene	13.39	119	454893	55.567	ug/l	98
87) 1,3-Dichlorobenzene	13.38	146	218853	55.688	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	219478	55.017	ug/l	99
89) n-Butylbenzene	13.71	91	451551	53.813	ug/l	99
90) Hexachloroethane	13.98	117	87151	55.867	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	199432	55.847	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	13833	51.290	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	126363	54.137	ug/l	99
94) Hexachlorobutadiene	15.13	225	62494	53.158	ug/l	97
95) Naphthalene	15.25	128	285803	55.923	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	108489	53.528	ug/l	99

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

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