

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042320\
 Data File : VY002475.D
 Acq On : 23 Apr 2020 21:07
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/24/2020 1:33:49 PM

Quant Time: Apr 24 02:29:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 14:11:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	302274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	463209	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	419601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	218287	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	139486	52.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.60%	
35) Dibromofluoromethane	7.75	113	136349	52.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.38%	
50) Toluene-d8	10.20	98	516251	49.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.32%	
62) 4-Bromofluorobenzene	12.49	95	176899	50.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.40%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	111939	50.567	ug/l	98
3) Chloromethane	2.13	50	137645	48.869	ug/l	97
4) Vinyl Chloride	2.27	62	92952	45.939	ug/l	98
5) Bromomethane	2.67	94	64507	56.803	ug/l	95
6) Chloroethane	2.82	64	48274	45.660	ug/l	94
7) Trichlorofluoromethane	3.15	101	171920	46.858	ug/l	98
8) Diethyl Ether	3.55	74	64037	42.343	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.93	101	137879	54.593	ug/l	99
10) Methyl Iodide	4.13	142	210336	53.986	ug/l	98
11) Tert butyl alcohol	4.99	59	73989	297.550	ug/l	97
12) 1,1-Dichloroethene	3.90	96	141586	54.717	ug/l	99
13) Acrolein	3.76	56	57418	288.454	ug/l	99
14) Allyl chloride	4.52	41	208790	54.906	ug/l	96
15) Acrylonitrile	5.21	53	212853	294.159	ug/l	100
16) Acetone	3.98	43	159083	288.126	ug/l	97
17) Carbon Disulfide	4.22	76	426506	52.860	ug/l	99
18) Methyl Acetate	4.52	43	102708	57.809	ug/l	97
19) Methyl tert-butyl Ether	5.26	73	401680	57.527	ug/l	99
20) Methylene Chloride	4.76	84	159467	50.588	ug/l	97
21) trans-1,2-Dichloroethene	5.26	96	157265	53.982	ug/l	95
22) Diisopropyl ether	6.16	45	416329	55.372	ug/l	99
23) Vinyl Acetate	6.10	43	1396220	292.239	ug/l	97
24) 1,1-Dichloroethane	6.06	63	247717	54.418	ug/l	99
25) 2-Butanone	7.02	43	254036	300.326	ug/l	99
26) 2,2-Dichloropropane	7.02	77	212446	48.799	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	172498	54.439	ug/l	99
28) Bromochloromethane	7.36	49	93647	52.732	ug/l	98
29) Tetrahydrofuran	7.38	42	168384	300.251	ug/l	98
30) Chloroform	7.54	83	260157	53.675	ug/l	99
31) Cyclohexane	7.82	56	217749	47.836	ug/l	98
32) 1,1,1-Trichloroethane	7.73	97	237266	51.807	ug/l	100
36) 1,1-Dichloropropene	7.95	75	198084	49.872	ug/l	99
37) Ethyl Acetate	7.11	43	112066	56.163	ug/l	100
38) Carbon Tetrachloride	7.93	117	224478	49.148	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	249043	48.067	ug/l	98
40) Benzene	8.19	78	589584	51.358	ug/l	98
41) Methacrylonitrile	7.35	41	69523m	56.553	ug/l	
42) 1,2-Dichloroethane	8.27	62	172882	51.842	ug/l	100
43) Isopropyl Acetate	8.30	43	209125	56.035	ug/l	99
44) Trichloroethene	8.96	130	182605	50.871	ug/l	99
45) 1,2-Dichloropropane	9.24	63	140337	53.042	ug/l	99
46) Dibromomethane	9.33	93	83407	53.882	ug/l	98
47) Bromodichloromethane	9.52	83	204279	52.771	ug/l	99
48) Methyl methacrylate	9.31	41	94493	55.463	ug/l	98
49) 1,4-Dioxane	9.32	88	23981	1215.625	ug/l	91
51) 4-Methyl-2-Pentanone	10.09	43	544918	281.109	ug/l	100
52) Toluene	10.26	92	372393	50.394	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	217471	53.494	ug/l	98
54) cis-1,3-Dichloropropene	9.95	75	243235	52.274	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	122647	53.587	ug/l	97
56) Ethyl methacrylate	10.52	69	172712	55.227	ug/l	99
57) 1,3-Dichloropropane	10.80	76	205114	53.082	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	394057	260.568	ug/l	98
59) 2-Hexanone	10.85	43	379662	280.986	ug/l	98
60) Dibromochloromethane	11.00	129	159296	53.117	ug/l	99
61) 1,2-Dibromoethane	11.10	107	122685	54.057	ug/l	100
64) Tetrachloroethene	10.74	164	193738	50.379	ug/l	98
65) Chlorobenzene	11.53	112	412736	51.022	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	160647	52.927	ug/l	100
67) Ethyl Benzene	11.61	91	725996	50.357	ug/l	99
68) m/p-Xylenes	11.72	106	556367	100.247	ug/l	98
69) o-Xylene	12.04	106	264803	51.523	ug/l	100
70) Styrene	12.06	104	468225	52.321	ug/l	99
71) Bromoform	12.22	173	104622	54.716	ug/l #	99
73) Isopropylbenzene	12.34	105	714966	48.992	ug/l	99
74) N-amyl acetate	12.16	43	187586	54.245	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.60	83	119691	53.402	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	101028m	54.607	ug/l	
77) Bromobenzene	12.62	156	187702	51.284	ug/l	99
78) n-propylbenzene	12.68	91	824944	48.686	ug/l	100
79) 2-Chlorotoluene	12.77	91	465382	50.193	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	606321	48.952	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	52606	52.617	ug/l	95
82) 4-Chlorotoluene	12.87	91	483801	50.487	ug/l	100
83) tert-Butylbenzene	13.09	119	531649	49.429	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	611379	51.448	ug/l	100
85) sec-Butylbenzene	13.27	105	719593	49.964	ug/l	100
86) p-Isopropyltoluene	13.38	119	685385	49.902	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	348668	51.505	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	343839	51.080	ug/l	100
89) n-Butylbenzene	13.71	91	609387	48.096	ug/l	99
90) Hexachloroethane	13.97	117	124467	50.137	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	314986	54.031	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	23957	53.839	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	224594	48.813	ug/l	100
94) Hexachlorobutadiene	15.13	225	133974	48.247	ug/l	99
95) Naphthalene	15.25	128	466547	54.673	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	197768	50.675	ug/l	100

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

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