

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012020\
 Data File : VY001290.D
 Acq On : 20 Jan 2020 12:26
 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
 1/21/2020 10:59:47 AM

Quant Time: Jan 21 06:57:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 21 06:54:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	200186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	342013	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.51	117	304095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	144971	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	102109	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	
35) Dibromofluoromethane	7.75	113	97884	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
50) Toluene-d8	10.20	98	403478	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
62) 4-Bromofluorobenzene	12.50	95	151138	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.92	85	62771	40.829	ug/l	100
3) Chloromethane	2.13	50	95718	43.193	ug/l	99
4) Vinyl Chloride	2.27	62	102358	45.848	ug/l	100
5) Bromomethane	2.67	94	70267	58.594	ug/l	97
6) Chloroethane	2.82	64	67848	52.604	ug/l	99
7) Trichlorofluoromethane	3.15	101	138954	44.715	ug/l	99
8) Diethyl Ether	3.55	74	56498	46.789	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.93	101	92178	46.082	ug/l	99
10) Methyl Iodide	4.12	142	120615	44.053	ug/l	99
11) Tert butyl alcohol	4.99	59	58405	274.552	ug/l	96
12) 1,1-Dichloroethene	3.91	96	92001	44.956	ug/l	98
13) Acrolein	3.76	56	50736	264.927	ug/l	100
14) Allyl chloride	4.52	41	167741	48.565	ug/l	99
15) Acrylonitrile	5.21	53	141993	235.124	ug/l	99
16) Acetone	3.98	43	138996	283.069	ug/l	97
17) Carbon Disulfide	4.22	76	261136	39.426	ug/l	100
18) Methyl Acetate	4.51	43	74190	45.698	ug/l	97
19) Methyl tert-butyl Ether	5.26	73	272433	48.126	ug/l	98
20) Methylene Chloride	4.75	84	114639	50.110	ug/l	95
21) trans-1,2-Dichloroethene	5.27	96	108497	46.756	ug/l	96
22) Diisopropyl ether	6.16	45	356258	50.500	ug/l	99
23) Vinyl Acetate	6.10	43	1120726	248.401	ug/l	99
24) 1,1-Dichloroethane	6.05	63	192472	49.836	ug/l	99
25) 2-Butanone	7.02	43	197431	258.343	ug/l	99
26) 2,2-Dichloropropane	7.02	77	169365	47.688	ug/l	99
27) cis-1,2-Dichloroethene	7.03	96	126131	49.606	ug/l	99
28) Bromochloromethane	7.37	49	89735	56.582	ug/l	99
29) Tetrahydrofuran	7.39	42	123118	235.083	ug/l	96
30) Chloroform	7.54	83	188623	49.845	ug/l	99
31) Cyclohexane	7.82	56	173415	42.408	ug/l	98
32) 1,1,1-Trichloroethane	7.74	97	160922	47.927	ug/l	100
36) 1,1-Dichloropropene	7.95	75	148167	47.532	ug/l	98
37) Ethyl Acetate	7.11	43	83169	45.462	ug/l	99
38) Carbon Tetrachloride	7.93	117	136813	47.890	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	186109	44.038	ug/l	98
40) Benzene	8.19	78	445278	48.935	ug/l	99
41) Methacrylonitrile	7.36	41	45707m	53.188	ug/l	
42) 1,2-Dichloroethane	8.27	62	123582	48.503	ug/l	99
43) Isopropyl Acetate	8.30	43	167606	47.911	ug/l	98
44) Trichloroethene	8.97	130	115664	48.782	ug/l	98
45) 1,2-Dichloropropane	9.24	63	114787	51.027	ug/l	96
46) Dibromomethane	9.33	93	59337	48.344	ug/l	99
47) Bromodichloromethane	9.52	83	150222	50.220	ug/l	98
48) Methyl methacrylate	9.31	41	75573	46.684	ug/l	99
49) 1,4-Dioxane	9.33	88	16063	1074.626	ug/l	96
51) 4-Methyl-2-Pentanone	10.09	43	420961	237.156	ug/l	99
52) Toluene	10.27	92	281921	48.576	ug/l	99
53) t-1,3-Dichloropropene	10.49	75	163648	48.890	ug/l	98
54) cis-1,3-Dichloropropene	9.95	75	189637	50.250	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	90060	49.494	ug/l	95
56) Ethyl methacrylate	10.53	69	131682	47.309	ug/l	99
57) 1,3-Dichloropropane	10.81	76	155852	49.892	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	221314	226.071	ug/l	98
59) 2-Hexanone	10.85	43	301790	242.595	ug/l	98
60) Dibromochloromethane	11.00	129	103266	49.291	ug/l	99
61) 1,2-Dibromoethane	11.11	107	83307	46.888	ug/l	100
64) Tetrachloroethene	10.74	164	88662	45.229	ug/l	98
65) Chlorobenzene	11.53	112	300740	49.494	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.61	131	106347	50.781	ug/l	100
67) Ethyl Benzene	11.61	91	554817	49.914	ug/l	99
68) m/p-Xylenes	11.72	106	418821	99.884	ug/l	100
69) o-Xylene	12.05	106	197975	49.245	ug/l	98
70) Styrene	12.06	104	353864	50.166	ug/l	99
71) Bromoform	12.22	173	60265	46.662	ug/l #	98
73) Isopropylbenzene	12.34	105	535921	49.174	ug/l	100
74) N-amyl acetate	12.16	43	161791	47.568	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.60	83	109625	47.809	ug/l	99
76) 1,2,3-Trichloropropane	12.65	75	72015m	46.404	ug/l	
77) Bromobenzene	12.63	156	119601	49.664	ug/l	97
78) n-propylbenzene	12.69	91	653121	49.821	ug/l	100
79) 2-Chlorotoluene	12.77	91	370402	49.199	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	450870	49.582	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	41380	45.216	ug/l #	99
82) 4-Chlorotoluene	12.87	91	391859	48.754	ug/l	99
83) tert-Butylbenzene	13.09	119	381813	49.969	ug/l	99
84) 1,2,4-Trimethylbenzene	13.14	105	455031	50.389	ug/l	99
85) sec-Butylbenzene	13.27	105	549937	50.029	ug/l	99
86) p-Isopropyltoluene	13.38	119	484062	50.719	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	230888	50.696	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	232355	49.571	ug/l	99
89) n-Butylbenzene	13.71	91	484403	50.393	ug/l	99
90) Hexachloroethane	13.97	117	93838	50.319	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	210480	49.727	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	17823	43.090	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	135904	48.732	ug/l	100
94) Hexachlorobutadiene	15.12	225	68664	48.873	ug/l	99
95) Naphthalene	15.25	128	293067	45.140	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	117293	47.723	ug/l	99

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

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