

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040120\
 Data File : VY002180.D
 Acq On : 01 Apr 2020 21:38
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/2/2020 10:12:47 AM

Quant Time: Apr 02 08:31:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	140161	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	264015	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	244327	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	109639	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	79549	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
35) Dibromofluoromethane	7.75	113	74077	50.08	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	10.20	98	299248	48.69	ug/l	0.01
Spiked Amount	50.000		Recovery	=	97.38%	
62) 4-Bromofluorobenzene	12.50	95	106022	49.33	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	40803	44.466	ug/l	97
3) Chloromethane	2.13	50	72554	44.295	ug/l	95
4) Vinyl Chloride	2.27	62	77875	46.747	ug/l	98
5) Bromomethane	2.67	94	56842	52.285	ug/l	99
6) Chloroethane	2.82	64	52145	48.749	ug/l	100
7) Trichlorofluoromethane	3.15	101	109258	47.860	ug/l	98
8) Diethyl Ether	3.55	74	49438	51.130	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	72019	48.085	ug/l	98
10) Methyl Iodide	4.12	142	79710	44.757	ug/l	99
11) Tert butyl alcohol	5.00	59	47781	261.681	ug/l	99
12) 1,1-Dichloroethene	3.91	96	74562	49.026	ug/l	97
13) Acrolein	3.76	56	70535	309.076	ug/l	99
14) Allyl chloride	4.51	41	139177	49.988	ug/l	99
15) Acrylonitrile	5.21	53	141805	279.810	ug/l	100
16) Acetone	3.98	43	98203	225.591	ug/l	97
17) Carbon Disulfide	4.22	76	239469	47.446	ug/l	100
18) Methyl Acetate	4.51	43	60100	53.167	ug/l	100
19) Methyl tert-butyl Ether	5.26	73	228245	53.797	ug/l	98
20) Methylene Chloride	4.75	84	92157	51.263	ug/l	96
21) trans-1,2-Dichloroethene	5.26	96	88290	50.986	ug/l	97
22) Diisopropyl ether	6.16	45	300703	52.775	ug/l	94
23) Vinyl Acetate	6.10	43	1012965	271.118	ug/l	99
24) 1,1-Dichloroethane	6.05	63	157646	52.037	ug/l	99
25) 2-Butanone	7.02	43	177823	266.032	ug/l	98
26) 2,2-Dichloropropane	7.02	77	120080	48.127	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	99352	52.152	ug/l	100
28) Bromochloromethane	7.36	49	74021	53.520	ug/l	100
29) Tetrahydrofuran	7.38	42	122597	279.745	ug/l	99
30) Chloroform	7.54	83	150134	52.284	ug/l	97
31) Cyclohexane	7.81	56	152958	47.383	ug/l	96
32) 1,1,1-Trichloroethane	7.73	97	122287	51.006	ug/l	99
36) 1,1-Dichloropropene	7.94	75	120828	48.385	ug/l	100
37) Ethyl Acetate	7.11	43	80088	53.071	ug/l	99
38) Carbon Tetrachloride	7.93	117	104043	49.107	ug/l	96

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39) Methylcyclohexane	9.21	83	154828	47.267	ug/l	99
40) Benzene	8.19	78	371648	50.243	ug/l	100
41) Methacrylonitrile	7.35	41	40809m	53.462	ug/l	
42) 1,2-Dichloroethane	8.27	62	99689	50.762	ug/l	99
43) Isopropyl Acetate	8.30	43	148972	53.187	ug/l	99
44) Trichloroethene	8.96	130	88537	49.654	ug/l	91
45) 1,2-Dichloropropane	9.24	63	96350	51.156	ug/l	98
46) Dibromomethane	9.33	93	51136	52.867	ug/l	100
47) Bromodichloromethane	9.52	83	117746	52.291	ug/l	100
48) Methyl methacrylate	9.31	41	66480	52.965	ug/l	99
49) 1,4-Dioxane	9.32	88	14212	1070.727	ug/l	100
51) 4-Methyl-2-Pentanone	10.09	43	400135	277.440	ug/l	99
52) Toluene	10.26	92	227312	50.808	ug/l	98
53) t-1,3-Dichloropropene	10.49	75	129212	51.700	ug/l	99
54) cis-1,3-Dichloropropene	9.95	75	152998	51.995	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	74752	52.216	ug/l	95
56) Ethyl methacrylate	10.52	69	114333	54.680	ug/l	98
57) 1,3-Dichloropropane	10.81	76	132964	52.569	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	304633	283.534	ug/l	100
59) 2-Hexanone	10.85	43	270313	266.072	ug/l	99
60) Dibromochloromethane	11.00	129	80818	53.949	ug/l	99
61) 1,2-Dibromoethane	11.11	107	71654	53.475	ug/l	98
64) Tetrachloroethene	10.74	164	72018	48.177	ug/l	99
65) Chlorobenzene	11.53	112	236980	50.247	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.61	131	79680	50.499	ug/l	100
67) Ethyl Benzene	11.61	91	436244	49.803	ug/l	99
68) m/p-Xylenes	11.72	106	319407	98.623	ug/l	100
69) o-Xylene	12.05	106	154260	50.211	ug/l	99
70) Styrene	12.06	104	271272	50.956	ug/l	99
71) Bromoform	12.22	173	44968	52.035	ug/l #	98
73) Isopropylbenzene	12.35	105	407634	50.120	ug/l	100
74) N-amyl acetate	12.16	43	134372	52.384	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	94838	54.189	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	57452m	46.846	ug/l	
77) Bromobenzene	12.63	156	89806	51.726	ug/l	100
78) n-propylbenzene	12.69	91	496914	49.234	ug/l	99
79) 2-Chlorotoluene	12.77	91	277420	50.061	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	336914	50.210	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	34034	53.763	ug/l	99
82) 4-Chlorotoluene	12.87	91	290737	49.787	ug/l	99
83) tert-Butylbenzene	13.09	119	284218	50.744	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	337957	50.480	ug/l	98
85) sec-Butylbenzene	13.27	105	409584	49.371	ug/l	100
86) p-Isopropyltoluene	13.38	119	354334	49.737	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	170249	50.125	ug/l	97
88) 1,4-Dichlorobenzene	13.46	146	169372	49.555	ug/l	99
89) n-Butylbenzene	13.71	91	355789	47.932	ug/l	100
90) Hexachloroethane	13.97	117	68453	50.992	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	159234	50.767	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	14919	53.217	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	95592	47.283	ug/l	99
94) Hexachlorobutadiene	15.12	225	46117	46.213	ug/l	99
95) Naphthalene	15.25	128	248823	51.819	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	86944	47.425	ug/l	98

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

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