

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072420\
 Data File : VY003333.D
 Acq On : 24 Jul 2020 14:14
 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
 7/27/2020 12:03:22 PM

Quant Time: Jul 25 01:50:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	497331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	726260	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	667604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	359543	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	199225	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	
35) Dibromofluoromethane	7.72	113	197617	47.28	ug/l	0.00
Spiked Amount			Recovery	=	94.56%	
50) Toluene-d8	10.18	98	718525	46.24	ug/l	0.00
Spiked Amount			Recovery	=	92.48%	
62) 4-Bromofluorobenzene	12.48	95	264282	47.08	ug/l	0.00
Spiked Amount			Recovery	=	94.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	146757	41.172	ug/l	98
3) Chloromethane	2.12	50	210105	42.495	ug/l	99
4) Vinyl Chloride	2.26	62	232729	45.877	ug/l	98
5) Bromomethane	2.65	94	174771	46.383	ug/l	99
6) Chloroethane	2.80	64	156057	46.837	ug/l	100
7) Trichlorofluoromethane	3.13	101	353253	48.761	ug/l	98
8) Diethyl Ether	3.54	74	125217	51.580	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.91	101	216469	49.474	ug/l	99
10) Methyl Iodide	4.10	142	250191	52.632	ug/l	100
11) Tert butyl alcohol	4.96	59	121409	267.480	ug/l	98
12) 1,1-Dichloroethene	3.88	96	203557	49.187	ug/l	98
13) Acrolein	3.74	56	74109	188.107	ug/l	97
14) Allyl chloride	4.49	41	336845	54.854	ug/l	95
15) Acrylonitrile	5.18	53	328203	281.443	ug/l	100
16) Acetone	3.96	43	285442	304.429	ug/l	95
17) Carbon Disulfide	4.20	76	581345	45.778	ug/l	98
18) Methyl Acetate	4.48	43	151547	58.200	ug/l	96
19) Methyl tert-butyl Ether	5.23	73	609662	52.568	ug/l	99
20) Methylene Chloride	4.72	84	276432	59.658	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	230359	49.213	ug/l	93
22) Diisopropyl ether	6.13	45	742407	54.474	ug/l	100
23) Vinyl Acetate	6.07	43	2480868	273.108	ug/l	99
24) 1,1-Dichloroethane	6.03	63	416760	52.783	ug/l	99
25) 2-Butanone	6.99	43	438834	285.050	ug/l	100
26) 2,2-Dichloropropane	6.99	77	374251	52.632	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	265886	51.591	ug/l	99
28) Bromochloromethane	7.34	49	181526	53.102	ug/l	97
29) Tetrahydrofuran	7.35	42	286789	277.302	ug/l	98
30) Chloroform	7.51	83	423383	52.063	ug/l	98
31) Cyclohexane	7.79	56	364281	47.712	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	376599	51.441	ug/l	99
36) 1,1-Dichloropropene	7.93	75	326461	49.597	ug/l	100
37) Ethyl Acetate	7.08	43	194376	54.834	ug/l	98
38) Carbon Tetrachloride	7.91	117	346087	50.930	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	400450	48.429	ug/l	97
40) Benzene	8.16	78	919484	50.732	ug/l	97
41) Methacrylonitrile	7.32	41	104931m	49.150	ug/l	
42) 1,2-Dichloroethane	8.24	62	281345	50.422	ug/l	98
43) Isopropyl Acetate	8.28	43	369799	53.896	ug/l	99
44) Trichloroethene	8.94	130	269921	48.581	ug/l	96
45) 1,2-Dichloropropane	9.22	63	243764	51.978	ug/l	99
46) Dibromomethane	9.31	93	138316	50.497	ug/l	100
47) Bromodichloromethane	9.50	83	340391	52.251	ug/l	99
48) Methyl methacrylate	9.29	41	167389	54.570	ug/l	96
49) 1,4-Dioxane	9.30	88	39003	1121.943	ug/l	91
51) 4-Methyl-2-Pentanone	10.07	43	985641	276.373	ug/l	99
52) Toluene	10.24	92	589523	50.889	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	359801	53.307	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	408258	52.496	ug/l	95
55) 1,1,2-Trichloroethane	10.64	97	200249	51.592	ug/l	98
56) Ethyl methacrylate	10.51	69	289214	54.807	ug/l	98
57) 1,3-Dichloropropane	10.79	76	347104	52.742	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	724437	269.184	ug/l	98
59) 2-Hexanone	10.83	43	698320	280.499	ug/l	100
60) Dibromochloromethane	10.99	129	255653	52.368	ug/l	100
61) 1,2-Dibromoethane	11.09	107	191336	49.947	ug/l	99
64) Tetrachloroethene	10.72	164	274078	46.044	ug/l	97
65) Chlorobenzene	11.52	112	652510	50.735	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	258760	51.802	ug/l	99
67) Ethyl Benzene	11.59	91	1170974	50.993	ug/l	99
68) m/p-Xylenes	11.70	106	895640	102.794	ug/l	100
69) o-Xylene	12.03	106	415253	51.015	ug/l	98
70) Styrene	12.04	104	736215	52.872	ug/l	100
71) Bromoform	12.20	173	174817	53.323	ug/l	99
73) Isopropylbenzene	12.33	105	1162472	50.735	ug/l	100
74) N-amyl acetate	12.14	43	345183	53.692	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	236909	53.536	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	161647m	50.791	ug/l	
77) Bromobenzene	12.61	156	293666	50.281	ug/l	99
78) n-propylbenzene	12.67	91	1393564	51.598	ug/l	99
79) 2-Chlorotoluene	12.75	91	769799	51.086	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	978293	51.229	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	88807	54.307	ug/l	95
82) 4-Chlorotoluene	12.85	91	803201	51.068	ug/l	100
83) tert-Butylbenzene	13.07	119	847623	50.304	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	988746	51.459	ug/l	98
85) sec-Butylbenzene	13.25	105	1199557	51.796	ug/l	100
86) p-Isopropyltoluene	13.37	119	1124372	51.996	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	570576	51.661	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	564773	51.649	ug/l	99
89) n-Butylbenzene	13.69	91	1065131	52.366	ug/l	100
90) Hexachloroethane	13.96	117	216004	54.851	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	506215	52.228	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	38301	53.387	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	368675	53.468	ug/l	100
94) Hexachlorobutadiene	15.11	225	234868	49.711	ug/l	99
95) Naphthalene	15.23	128	638214	56.006	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	302320	55.465	ug/l	98

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

