

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012420\
 Data File : VY001397.D
 Acq On : 24 Jan 2020 20:43
 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
 1/27/2020 12:02:20 PM

Quant Time: Jan 25 05:04:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	198070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	358825	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	322280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	153123	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	115398	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	
35) Dibromofluoromethane	7.75	113	105900	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
50) Toluene-d8	10.19	98	432641	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
62) 4-Bromofluorobenzene	12.49	95	164637	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	85782	54.918	ug/l	98
3) Chloromethane	2.13	50	130825	55.416	ug/l	100
4) Vinyl Chloride	2.27	62	134457	54.622	ug/l	97
5) Bromomethane	2.67	94	86618	52.248	ug/l	99
6) Chloroethane	2.82	64	85625	54.437	ug/l	99
7) Trichlorofluoromethane	3.15	101	171642	54.498	ug/l	98
8) Diethyl Ether	3.56	74	73057	54.949	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.94	101	113502	56.589	ug/l	99
10) Methyl Iodide	4.13	142	151367	57.220	ug/l	100
11) Tert butyl alcohol	5.00	59	63763	234.089	ug/l	97
12) 1,1-Dichloroethene	3.91	96	112449	53.471	ug/l	93
13) Acrolein	3.76	56	46043	290.097	ug/l	99
14) Allyl chloride	4.52	41	214254	57.129	ug/l	99
15) Acrylonitrile	5.21	53	192559	282.943	ug/l	99
16) Acetone	3.98	43	146166	257.675	ug/l	98
17) Carbon Disulfide	4.23	76	349122	52.785	ug/l	98
18) Methyl Acetate	4.52	43	99970	55.003	ug/l	98
19) Methyl tert-butyl Ether	5.26	73	349333	56.732	ug/l	100
20) Methylene Chloride	4.76	84	135316	50.921	ug/l	99
21) trans-1,2-Dichloroethene	5.26	96	131948	54.014	ug/l	95
22) Diisopropyl ether	6.16	45	460396	57.812	ug/l	92
23) Vinyl Acetate	6.10	43	1476400	285.564	ug/l	100
24) 1,1-Dichloroethane	6.06	63	239031	56.944	ug/l	96
25) 2-Butanone	7.02	43	247970	264.333	ug/l	100
26) 2,2-Dichloropropane	7.02	77	195723	52.346	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	153759	56.320	ug/l	99
28) Bromochloromethane	7.36	49	104791	60.534	ug/l	97
29) Tetrahydrofuran	7.38	42	173662	284.546	ug/l	98
30) Chloroform	7.53	83	233471	56.744	ug/l	97
31) Cyclohexane	7.82	56	221055	53.040	ug/l	99
32) 1,1,1-Trichloroethane	7.73	97	195752	56.347	ug/l	99
36) 1,1-Dichloropropene	7.94	75	183561	54.148	ug/l	100
37) Ethyl Acetate	7.11	43	116709	56.349	ug/l	100
38) Carbon Tetrachloride	7.93	117	163710	54.186	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	237378	54.661	ug/l	99
40) Benzene	8.19	78	558619	54.957	ug/l	100
41) Methacrylonitrile	7.35	41	57572m	53.865	ug/l	
42) 1,2-Dichloroethane	8.27	62	157427	55.429	ug/l	100
43) Isopropyl Acetate	8.30	43	225858	56.080	ug/l	100
44) Trichloroethene	8.96	130	140037	53.687	ug/l	95
45) 1,2-Dichloropropane	9.24	63	144898	56.390	ug/l	99
46) Dibromomethane	9.32	93	74657	54.120	ug/l	97
47) Bromodichloromethane	9.51	83	184428	55.927	ug/l	100
48) Methyl methacrylate	9.31	41	101109	55.224	ug/l	99
49) 1,4-Dioxane	9.32	88	20680	1063.054	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	578868	279.100	ug/l	100
52) Toluene	10.25	92	356003	55.251	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	205833	56.313	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	234856	55.980	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	112771	55.386	ug/l	98
56) Ethyl methacrylate	10.52	69	174165	56.595	ug/l	98
57) 1,3-Dichloropropane	10.80	76	197714	55.744	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	256639	241.001	ug/l	99
59) 2-Hexanone	10.84	43	410385	284.221	ug/l	99
60) Dibromochloromethane	10.99	129	125324	55.033	ug/l	99
61) 1,2-Dibromoethane	11.10	107	107810	56.010	ug/l	100
64) Tetrachloroethene	10.73	164	111822	54.319	ug/l	97
65) Chlorobenzene	11.52	112	366717	53.983	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	127950	55.192	ug/l	99
67) Ethyl Benzene	11.60	91	680923	54.391	ug/l	99
68) m/p-Xylenes	11.71	106	506402	108.304	ug/l	100
69) o-Xylene	12.03	106	243462	54.126	ug/l	98
70) Styrene	12.05	104	435295	55.156	ug/l	100
71) Bromoform	12.22	173	74614	53.917	ug/l #	100
73) Isopropylbenzene	12.34	105	659751	54.603	ug/l	99
74) N-amyl acetate	12.15	43	221651	56.042	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	142770	55.173	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	104363m	56.561	ug/l	
77) Bromobenzene	12.61	156	144213	53.887	ug/l	96
78) n-propylbenzene	12.68	91	802514	55.181	ug/l	99
79) 2-Chlorotoluene	12.76	91	461749	55.577	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	557634	55.290	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	54768	56.171	ug/l	95
82) 4-Chlorotoluene	12.86	91	485974	54.760	ug/l	100
83) tert-Butylbenzene	13.08	119	469422	55.216	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	552997	54.613	ug/l	100
85) sec-Butylbenzene	13.26	105	670074	55.475	ug/l	100
86) p-Isopropyltoluene	13.38	119	587942	55.235	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	278543	54.043	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	281319	53.756	ug/l	99
89) n-Butylbenzene	13.70	91	600364	56.043	ug/l	98
90) Hexachloroethane	13.97	117	113071	56.041	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	261210	54.953	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	23738	53.162	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	167326	52.449	ug/l	99
94) Hexachlorobutadiene	15.11	225	81229	52.292	ug/l	99
95) Naphthalene	15.24	128	408840	56.045	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	148850	53.189	ug/l	98

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

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