

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052720\
 Data File : VY002759.D
 Acq On : 27 May 2020 12:37
 Operator : SY/MD
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 5/28/2020 2:08:39 PM

Quant Time: May 27 12:59:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 12:34:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	304910	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	449869	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	415851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	220432	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	255852	106.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.24%	
35) Dibromofluoromethane	7.72	113	261249	104.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.80%	
50) Toluene-d8	10.18	98	1057532	105.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.28%	
62) 4-Bromofluorobenzene	12.48	95	360167	103.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	215387	99.650	ug/l	97
3) Chloromethane	2.12	50	234884	95.626	ug/l	99
4) Vinyl Chloride	2.26	62	259503	101.129	ug/l	99
5) Bromomethane	2.64	94	175454	92.190	ug/l	98
6) Chloroethane	2.79	64	157494	95.886	ug/l	98
7) Trichlorofluoromethane	3.13	101	432155	98.941	ug/l	99
8) Diethyl Ether	3.53	74	159006	105.974	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	260598	98.253	ug/l	97
10) Methyl Iodide	4.10	142	390509	107.671	ug/l	100
11) Tert butyl alcohol	4.97	59	130157	523.447	ug/l	100
12) 1,1-Dichloroethene	3.88	96	259468	97.822	ug/l	99
13) Acrolein	3.74	56	137105	481.012	ug/l	100
14) Allyl chloride	4.49	41	381417	99.899	ug/l	99
15) Acrylonitrile	5.18	53	371726	543.332	ug/l	100
16) Acetone	3.96	43	300664	588.366	ug/l	98
17) Carbon Disulfide	4.20	76	782828	94.873	ug/l	98
18) Methyl Acetate	4.49	43	148127	104.608	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	714429	107.166	ug/l	100
20) Methylene Chloride	4.72	84	287097	96.931	ug/l	98
21) trans-1,2-Dichloroethene	5.23	96	295319	100.101	ug/l	97
22) Diisopropyl ether	6.13	45	779474	102.586	ug/l	96
23) Vinyl Acetate	6.07	43	2604703	531.305	ug/l	100
24) 1,1-Dichloroethane	6.03	63	456692	100.774	ug/l	99
25) 2-Butanone	6.99	43	460751	552.529	ug/l	99
26) 2,2-Dichloropropane	6.99	77	423491	99.900	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	329803	103.049	ug/l	99
28) Bromochloromethane	7.34	49	180831	99.790	ug/l	99
29) Tetrahydrofuran	7.35	42	299732	533.824	ug/l	99
30) Chloroform	7.52	83	491494	104.236	ug/l	97
31) Cyclohexane	7.79	56	432184	94.461	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	453151	103.836	ug/l	99
36) 1,1-Dichloropropene	7.93	75	384514	101.436	ug/l	99
37) Ethyl Acetate	7.08	43	199858	106.079	ug/l	99
38) Carbon Tetrachloride	7.91	117	431857	105.833	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	516589	101.933	ug/l	98
40) Benzene	8.16	78	1144948	103.515	ug/l	100
41) Methacrylonitrile	7.33	41	104680m	95.194	ug/l	
42) 1,2-Dichloroethane	8.24	62	315627	107.423	ug/l	99
43) Isopropyl Acetate	8.28	43	390849	111.085	ug/l	100
44) Trichloroethene	8.94	130	355779	101.070	ug/l	100
45) 1,2-Dichloropropane	9.22	63	273325	103.637	ug/l	100
46) Dibromomethane	9.31	93	160378	107.794	ug/l	99
47) Bromodichloromethane	9.50	83	389772	107.748	ug/l	98
48) Methyl methacrylate	9.30	41	179080	110.976	ug/l	98
49) 1,4-Dioxane	9.30	88	47775	2301.064	ug/l	99
51) 4-Methyl-2-Pentanone	10.07	43	1014592	556.516	ug/l	99
52) Toluene	10.24	92	746972	104.037	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	426035	109.838	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	478227	106.846	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	240086	107.503	ug/l	96
56) Ethyl methacrylate	10.51	69	335924	113.372	ug/l	100
57) 1,3-Dichloropropane	10.79	76	403182	108.507	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	759579	522.026	ug/l	99
59) 2-Hexanone	10.83	43	728527	570.446	ug/l	100
60) Dibromochloromethane	10.99	129	316249	111.405	ug/l	100
61) 1,2-Dibromoethane	11.09	107	239281	108.948	ug/l	100
64) Tetrachloroethene	10.72	164	385177	98.736	ug/l	99
65) Chlorobenzene	11.52	112	842462	104.891	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	323335	108.062	ug/l	100
67) Ethyl Benzene	11.59	91	1479744	105.188	ug/l	99
68) m/p-Xylenes	11.70	106	1146147	209.370	ug/l	100
69) o-Xylene	12.03	106	536360	104.226	ug/l	98
70) Styrene	12.04	104	943086	106.588	ug/l	99
71) Bromoform	12.20	173	211832	113.519	ug/l #	99
73) Isopropylbenzene	12.33	105	1476485	103.198	ug/l	100
74) N-amyl acetate	12.14	43	375315	110.241	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	248743	114.516	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	195913m	107.423	ug/l	
77) Bromobenzene	12.61	156	378324	105.146	ug/l	98
78) n-propylbenzene	12.67	91	1698302	102.047	ug/l	100
79) 2-Chlorotoluene	12.75	91	946265	102.395	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	1234243	102.655	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	106802	109.804	ug/l	99
82) 4-Chlorotoluene	12.85	91	990726	102.029	ug/l	100
83) tert-Butylbenzene	13.08	119	1100229	103.121	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	1232640	102.416	ug/l	99
85) sec-Butylbenzene	13.25	105	1491386	101.550	ug/l	100
86) p-Isopropyltoluene	13.37	119	1402010	102.121	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	708281	102.075	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	708114	102.511	ug/l	99
89) n-Butylbenzene	13.69	91	1253490	99.406	ug/l	100
90) Hexachloroethane	13.96	117	264789	103.857	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	642486	102.951	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	48167	115.467	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	481977	99.774	ug/l	99
94) Hexachlorobutadiene	15.11	225	274939	94.696	ug/l	99
95) Naphthalene	15.23	128	967441	110.522	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	431044	102.214	ug/l	99

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

