

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100520\
 Data File : VY003458.D
 Acq On : 05 Oct 2020 16:57
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 10/6/2020 12:55:43 PM

Quant Time: Oct 06 04:15:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 06 04:02:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	547985	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	774638	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	743037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	394545	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	815222	155.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	311.28%	
35) Dibromofluoromethane	7.72	113	717493	157.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	314.70%	
50) Toluene-d8	10.18	98	2965146	164.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	328.84%	
62) 4-Bromofluorobenzene	12.48	95	1037130	167.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	334.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	564671	127.758	ug/l	99
3) Chloromethane	2.12	50	790646	129.856	ug/l	98
4) Vinyl Chloride	2.25	62	888448	144.406	ug/l	98
5) Bromomethane	2.63	94	770421	161.389	ug/l	99
6) Chloroethane	2.79	64	563084	145.904	ug/l	99
7) Trichlorofluoromethane	3.12	101	1111031	135.369	ug/l	99
8) Diethyl Ether	3.53	74	371369	130.901	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	622477	128.346	ug/l	100
10) Methyl Iodide	4.10	142	650762	125.094	ug/l	99
11) Tert butyl alcohol	4.97	59	352438	629.476	ug/l	97
12) 1,1-Dichloroethene	3.87	96	626537	132.977	ug/l	99
13) Acrolein	3.73	56	336516	616.589	ug/l	97
14) Allyl chloride	4.48	41	1112130	139.027	ug/l	99
15) Acrylonitrile	5.17	53	874740	622.720	ug/l	98
16) Acetone	3.95	43	912306	703.303	ug/l	100
17) Carbon Disulfide	4.19	76	1993370	129.563	ug/l	100
18) Methyl Acetate	4.48	43	432141	127.515	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	1668287	128.349	ug/l	99
20) Methylene Chloride	4.72	84	716049	83.293	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	731724	136.228	ug/l	95
22) Diisopropyl ether	6.13	45	2073411	125.604	ug/l	99
23) Vinyl Acetate	6.07	43	7617446	692.693	ug/l	99
24) 1,1-Dichloroethane	6.02	63	1282497	136.822	ug/l	99
25) 2-Butanone	6.99	43	1337495	683.736	ug/l	98
26) 2,2-Dichloropropane	6.99	77	1149668	137.297	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	822713	139.269	ug/l	100
28) Bromochloromethane	7.34	49	642962	167.412	ug/l	99
29) Tetrahydrofuran	7.35	42	772103	615.961	ug/l	99
30) Chloroform	7.51	83	1300692	139.337	ug/l	98
31) Cyclohexane	7.78	56	1090770	121.542	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	1189164	139.453	ug/l	100
36) 1,1-Dichloropropene	7.92	75	1040352	143.175	ug/l	99
37) Ethyl Acetate	7.08	43	585121	140.314	ug/l	99
38) Carbon Tetrachloride	7.90	117	1089725	145.253	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	1201978	137.266	ug/l	99
40) Benzene	8.16	78	2962820	146.199	ug/l	100
41) Methacrylonitrile	7.33	41	320285m	137.662	ug/l	
42) 1,2-Dichloroethane	8.24	62	913006	146.680	ug/l	100
43) Isopropyl Acetate	8.28	43	1138159	144.422	ug/l	100
44) Trichloroethene	8.94	130	868601	148.743	ug/l	99
45) 1,2-Dichloropropane	9.22	63	756019	143.190	ug/l	98
46) Dibromomethane	9.30	93	416651	140.025	ug/l	99
47) Bromodichloromethane	9.50	83	1047109	146.374	ug/l	99
48) Methyl methacrylate	9.29	41	547382	152.389	ug/l	98
49) 1,4-Dioxane	9.30	88	99714	2624.933	ug/l	91
51) 4-Methyl-2-Pentanone	10.07	43	2957847	713.585	ug/l	98
52) Toluene	10.24	92	1936394	151.804	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	1135065	148.466	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	1276697	147.986	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	602082	144.414	ug/l	97
56) Ethyl methacrylate	10.51	69	859277	148.978	ug/l	98
57) 1,3-Dichloropropane	10.79	76	1046971	144.113	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	2172578	794.732	ug/l	100
59) 2-Hexanone	10.83	43	2100818	725.920	ug/l	98
60) Dibromochloromethane	10.99	129	776548	147.927	ug/l	100
61) 1,2-Dibromoethane	11.09	107	580960	143.405	ug/l	100
64) Tetrachloroethene	10.72	164	943980	151.054	ug/l	99
65) Chlorobenzene	11.52	112	2128417	146.775	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	827765	146.811	ug/l	99
67) Ethyl Benzene	11.59	91	3907963	149.519	ug/l	100
68) m/p-Xylenes	11.70	106	2991559	302.924	ug/l	99
69) o-Xylene	12.03	106	1410875	152.774	ug/l	99
70) Styrene	12.04	104	2436557	153.955	ug/l	99
71) Bromoform	12.20	173	529706	144.100	ug/l #	99
73) Isopropylbenzene	12.33	105	3791621	150.430	ug/l	100
74) N-amyl acetate	12.14	43	1051097	141.944	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	684229	137.661	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	491544m	139.902	ug/l	
77) Bromobenzene	12.61	156	976831	151.825	ug/l	99
78) n-propylbenzene	12.67	91	4430761	147.270	ug/l	100
79) 2-Chlorotoluene	12.75	91	2495921	148.975	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	3213752	151.211	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	270999	145.921	ug/l	96
82) 4-Chlorotoluene	12.85	91	2616589	150.207	ug/l	99
83) tert-Butylbenzene	13.07	119	2856827	155.107	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	3239907	151.872	ug/l	100
85) sec-Butylbenzene	13.25	105	3806736	148.654	ug/l	99
86) p-Isopropyltoluene	13.37	119	3687261	153.345	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	1869142	151.717	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	1798356	148.265	ug/l	99
89) n-Butylbenzene	13.69	91	3276133	145.284	ug/l	99
90) Hexachloroethane	13.96	117	575792	129.025	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	1616488	148.421	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	121179	147.485	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	1201152	154.650	ug/l	99
94) Hexachlorobutadiene	15.11	225	752912	146.971	ug/l	99
95) Naphthalene	15.23	128	2175283	163.754	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	1032688	162.584	ug/l	100

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

