

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062520\
 Data File : VY002996.D
 Acq On : 25 Jun 2020 13:20
 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
 6/26/2020 11:22:20 AM

Quant Time: Jun 25 18:38:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062520S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 25 18:33:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	471159	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	575653	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	670983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	305878	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	565041	140.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	280.28%	
35) Dibromofluoromethane	7.72	113	531173	147.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	294.20%	
50) Toluene-d8	10.18	98	2182987	157.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	315.36%	
62) 4-Bromofluorobenzene	12.48	95	833815	161.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	322.76%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	404377	143.076	ug/l	100
3) Chloromethane	2.12	50	561368	144.362	ug/l	98
4) Vinyl Chloride	2.26	62	572047	146.694	ug/l	100
5) Bromomethane	2.63	94	471192	161.966	ug/l	99
6) Chloroethane	2.79	64	384787	152.043	ug/l	99
7) Trichlorofluoromethane	3.13	101	1122089	151.561	ug/l	99
8) Diethyl Ether	3.54	74	352137	157.983	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	565919	146.473	ug/l	98
10) Methyl Iodide	4.10	142	824551	152.527	ug/l	100
11) Tert butyl alcohol	4.97	59	288748	717.826	ug/l	99
12) 1,1-Dichloroethene	3.88	96	549736	145.067	ug/l	99
13) Acrolein	3.74	56	302419	752.471	ug/l	99
14) Allyl chloride	4.49	41	845325	140.629	ug/l	100
15) Acrylonitrile	5.18	53	763198	745.522	ug/l	98
16) Acetone	3.95	43	668711	775.069	ug/l	100
17) Carbon Disulfide	4.20	76	1637535	140.894	ug/l	99
18) Methyl Acetate	4.49	43	326728	144.372	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	1556923	146.511	ug/l	99
20) Methylene Chloride	4.72	84	597605	118.476	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	592120	141.090	ug/l	99
22) Diisopropyl ether	6.13	45	1864731	154.072	ug/l	99
23) Vinyl Acetate	6.07	43	6468075	790.350	ug/l	98
24) 1,1-Dichloroethane	6.03	63	1071276	153.852	ug/l	99
25) 2-Butanone	6.99	43	1076222	796.254	ug/l	99
26) 2,2-Dichloropropane	6.99	77	1023997	146.150	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	712556	152.187	ug/l	100
28) Bromochloromethane	7.34	49	456094	164.910	ug/l	98
29) Tetrahydrofuran	7.35	42	719840	804.384	ug/l	100
30) Chloroform	7.51	83	1049326	142.227	ug/l	99
31) Cyclohexane	7.79	56	804294	123.481	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	953680	136.863	ug/l	99
36) 1,1-Dichloropropene	7.93	75	717649	132.877	ug/l	99
37) Ethyl Acetate	7.08	43	500132	164.961	ug/l	100
38) Carbon Tetrachloride	7.91	117	919146	140.850	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	898586	141.662	ug/l	99
40) Benzene	8.16	78	2037532	139.494	ug/l	99
41) Methacrylonitrile	7.33	41	259788m	63.174	ug/l	
42) 1,2-Dichloroethane	8.24	62	672501	143.043	ug/l	100
43) Isopropyl Acetate	8.28	43	744469	139.524	ug/l	99
44) Trichloroethene	8.94	130	641816	140.851	ug/l	98
45) 1,2-Dichloropropane	9.22	63	482857	142.871	ug/l	98
46) Dibromomethane	9.31	93	298284	145.602	ug/l	100
47) Bromodichloromethane	9.50	83	723780	142.404	ug/l	99
48) Methyl methacrylate	9.30	41	373132	152.594	ug/l	99
49) 1,4-Dioxane	9.30	88	80035	3346.774	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	2220021	805.814	ug/l	98
52) Toluene	10.24	92	1491957	153.279	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	911559	157.593	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	832536	138.763	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	491476	155.896	ug/l	100
56) Ethyl methacrylate	10.51	69	709824	163.093	ug/l	100
57) 1,3-Dichloropropane	10.79	76	813723	151.540	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	1466847	767.099	ug/l	97
59) 2-Hexanone	10.83	43	1578742	785.490	ug/l	99
60) Dibromochloromethane	10.99	129	692664	159.098	ug/l	100
61) 1,2-Dibromoethane	11.09	107	501203	158.102	ug/l	100
64) Tetrachloroethene	10.72	164	804977	129.209	ug/l	96
65) Chlorobenzene	11.52	112	1801320	135.048	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	740511	137.262	ug/l	99
67) Ethyl Benzene	11.59	91	3151485	135.034	ug/l	100
68) m/p-Xylenes	11.70	106	2452033	272.676	ug/l	99
69) o-Xylene	12.03	106	1117546	130.171	ug/l	100
70) Styrene	12.04	104	1951608	133.205	ug/l	100
71) Bromoform	12.20	173	493518	133.669	ug/l	100
73) Isopropylbenzene	12.33	105	2987008	150.125	ug/l	99
74) N-amyl acetate	12.14	43	789774	146.900	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	561461	158.772	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	433365m	83.945	ug/l	
77) Bromobenzene	12.61	156	869293	155.316	ug/l	99
78) n-propylbenzene	12.67	91	3373265	146.944	ug/l	100
79) 2-Chlorotoluene	12.75	91	1905104	145.558	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	2479969	141.291	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	228348	162.542	ug/l #	77
82) 4-Chlorotoluene	12.85	91	2031301	144.935	ug/l	100
83) tert-Butylbenzene	13.07	119	2083765	134.925	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	2178576	126.359	ug/l	99
85) sec-Butylbenzene	13.25	105	2494164	127.633	ug/l	100
86) p-Isopropyltoluene	13.37	119	2455926	133.322	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	1325257	136.185	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	1293426	135.316	ug/l	99
89) n-Butylbenzene	13.69	91	2097644	131.966	ug/l	99
90) Hexachloroethane	13.96	117	457789	137.252	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	1161960	135.939	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	91329	148.934	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	958321	140.883	ug/l	99
94) Hexachlorobutadiene	15.11	225	630622	135.464	ug/l	99
95) Naphthalene	15.23	128	1661459	149.090	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	838812	142.956	ug/l	99

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

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