

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051520\
 Data File : VY002696.D
 Acq On : 15 May 2020 13:16
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 5/18/2020 1:36:09 PM

Quant Time: May 15 13:33:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 15 12:50:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	367540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	547217	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	496513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	247931	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	434697	141.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	282.96%	
35) Dibromofluoromethane	7.72	113	450184	144.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.10%	
50) Toluene-d8	10.18	98	1804667	147.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	294.42%	
62) 4-Bromofluorobenzene	12.48	95	597089	143.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	286.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	345533	130.184	ug/l	98
3) Chloromethane	2.11	50	392296	135.156	ug/l	100
4) Vinyl Chloride	2.25	62	419352	126.712	ug/l	98
5) Bromomethane	2.63	94	300617	128.311	ug/l	98
6) Chloroethane	2.79	64	272704	135.013	ug/l	100
7) Trichlorofluoromethane	3.13	101	733686	139.157	ug/l	98
8) Diethyl Ether	3.53	74	255248	142.604	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	444081	137.822	ug/l	99
10) Methyl Iodide	4.10	142	665079	151.232	ug/l	100
11) Tert butyl alcohol	4.97	59	185093	588.029	ug/l	100
12) 1,1-Dichloroethene	3.88	96	443582	140.726	ug/l	99
13) Acrolein	3.74	56	235213	989.443	ug/l	98
14) Allyl chloride	4.49	41	649692	142.007	ug/l	99
15) Acrylonitrile	5.18	53	566568	673.639	ug/l	100
16) Acetone	3.96	43	431304	682.989	ug/l	98
17) Carbon Disulfide	4.20	76	1389441	146.443	ug/l	99
18) Methyl Acetate	4.48	43	232407	112.497	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	1134566	138.368	ug/l	99
20) Methylene Chloride	4.72	84	467242	130.924	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	490304	141.824	ug/l	99
22) Diisopropyl ether	6.13	45	1267970	136.704	ug/l	99
23) Vinyl Acetate	6.07	43	4137087	707.599	ug/l	99
24) 1,1-Dichloroethane	6.03	63	766284	139.810	ug/l	100
25) 2-Butanone	6.99	43	690599	669.231	ug/l	98
26) 2,2-Dichloropropane	6.99	77	703213	135.310	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	538539	140.624	ug/l	99
28) Bromochloromethane	7.35	49	311273	139.111	ug/l	99
29) Tetrahydrofuran	7.35	42	459469	669.771	ug/l	99
30) Chloroform	7.52	83	792050	138.402	ug/l	100
31) Cyclohexane	7.79	56	738343	133.603	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	746635	140.880	ug/l	100
36) 1,1-Dichloropropene	7.92	75	641560	140.688	ug/l	100
37) Ethyl Acetate	7.08	43	308166	131.195	ug/l	100
38) Carbon Tetrachloride	7.91	117	706758	141.891	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	873105	144.396	ug/l	99
40) Benzene	8.16	78	1875812	141.612	ug/l	99
41) Methacrylonitrile	7.33	41	194252m	153.941	ug/l	
42) 1,2-Dichloroethane	8.24	62	499361	136.082	ug/l	100
43) Isopropyl Acetate	8.28	43	609552	138.768	ug/l	100
44) Trichloroethene	8.94	130	589289	141.698	ug/l	98
45) 1,2-Dichloropropane	9.22	63	448105	140.861	ug/l	100
46) Dibromomethane	9.31	93	253636	138.531	ug/l	99
47) Bromodichloromethane	9.50	83	626234	140.534	ug/l	98
48) Methyl methacrylate	9.30	41	280022	141.048	ug/l	98
49) 1,4-Dioxane	9.30	88	66692	2757.053	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	1531011	678.634	ug/l	99
52) Toluene	10.24	92	1213514	142.549	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	672093	144.038	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	765605	141.486	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	373278	139.762	ug/l	97
56) Ethyl methacrylate	10.51	69	516437	145.106	ug/l	99
57) 1,3-Dichloropropane	10.79	76	625338	138.152	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	1265055	671.626	ug/l	100
59) 2-Hexanone	10.83	43	1062615	684.016	ug/l	99
60) Dibromochloromethane	10.99	129	486367	142.506	ug/l	99
61) 1,2-Dibromoethane	11.09	107	368776	138.914	ug/l	100
64) Tetrachloroethene	10.72	164	630528	142.077	ug/l	100
65) Chlorobenzene	11.52	112	1333818	141.603	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	503500	144.101	ug/l	100
67) Ethyl Benzene	11.59	91	2359128	142.924	ug/l	99
68) m/p-Xylenes	11.70	106	1842307	287.980	ug/l	99
69) o-Xylene	12.03	106	862426	143.611	ug/l	99
70) Styrene	12.05	104	1488902	145.202	ug/l	99
71) Bromoform	12.20	173	311922	143.917	ug/l #	100
73) Isopropylbenzene	12.33	105	2320998	145.245	ug/l	99
74) N-amyl acetate	12.14	43	552321	144.494	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	348774	139.130	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	288224m	134.091	ug/l	
77) Bromobenzene	12.61	156	581715	145.725	ug/l	99
78) n-propylbenzene	12.67	91	2671239	144.052	ug/l	100
79) 2-Chlorotoluene	12.75	91	1488500	144.780	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	1931596	145.701	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	156663	144.325	ug/l #	80
82) 4-Chlorotoluene	12.85	91	1543407	143.188	ug/l	99
83) tert-Butylbenzene	13.08	119	1708334	146.994	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	1920864	145.239	ug/l	100
85) sec-Butylbenzene	13.25	105	2314667	143.503	ug/l	99
86) p-Isopropyltoluene	13.37	119	2167396	143.395	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	1078897	142.484	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	1067800	142.531	ug/l	99
89) n-Butylbenzene	13.70	91	1948435	141.414	ug/l	99
90) Hexachloroethane	13.96	117	407727	147.564	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	958644	141.934	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	63954	136.035	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	707256	143.558	ug/l	100
94) Hexachlorobutadiene	15.11	225	419272	141.530	ug/l	100
95) Naphthalene	15.23	128	1300674	145.466	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	602493	144.255	ug/l	100

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

