

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052720\
 Data File : VY002760.D
 Acq On : 27 May 2020 13:00
 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
 5/28/2020 2:08:42 PM

Quant Time: May 27 13:17:10 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	310158	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	466162	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	433187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	224776	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	395815	161.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	322.80%	
35) Dibromofluoromethane	7.72	113	396866	153.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	306.12%	
50) Toluene-d8	10.18	98	1572244	150.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.68%	
62) 4-Bromofluorobenzene	12.48	95	535497	148.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.86%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	279308	127.037	ug/l	97
3) Chloromethane	2.12	50	324926	130.046	ug/l	98
4) Vinyl Chloride	2.25	62	348865	133.653	ug/l	97
5) Bromomethane	2.63	94	239893	123.916	ug/l	96
6) Chloroethane	2.79	64	227992	136.458	ug/l	98
7) Trichlorofluoromethane	3.12	101	618226	139.147	ug/l	98
8) Diethyl Ether	3.53	74	237918	155.885	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	371893	137.842	ug/l	97
10) Methyl Iodide	4.10	142	559661	151.698	ug/l	100
11) Tert butyl alcohol	4.97	59	215507	852.031	ug/l	99
12) 1,1-Dichloroethene	3.88	96	375877	139.312	ug/l	100
13) Acrolein	3.73	56	232831	803.031	ug/l	100
14) Allyl chloride	4.49	41	561978	144.700	ug/l	100
15) Acrylonitrile	5.18	53	583870	838.972	ug/l	100
16) Acetone	3.96	43	485279	933.569	ug/l	99
17) Carbon Disulfide	4.19	76	1131108	134.762	ug/l	98
18) Methyl Acetate	4.48	43	238667	165.696	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	1081704	159.512	ug/l	99
20) Methylene Chloride	4.72	84	418019	138.745	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	425617	141.826	ug/l	96
22) Diisopropyl ether	6.13	45	1154549	149.379	ug/l	94
23) Vinyl Acetate	6.07	43	3970812	796.258	ug/l	100
24) 1,1-Dichloroethane	6.02	63	669928	145.326	ug/l	100
25) 2-Butanone	6.99	43	742618	875.474	ug/l	100
26) 2,2-Dichloropropane	6.99	77	614119	142.417	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	478804	147.073	ug/l	99
28) Bromochloromethane	7.34	49	272007	147.566	ug/l	100
29) Tetrahydrofuran	7.35	42	486914	852.523	ug/l	100
30) Chloroform	7.51	83	712998	148.654	ug/l	97
31) Cyclohexane	7.79	56	616285	132.420	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	656500	147.887	ug/l	99
36) 1,1-Dichloropropene	7.93	75	556186	141.595	ug/l	100
37) Ethyl Acetate	7.08	43	318561	163.174	ug/l	100
38) Carbon Tetrachloride	7.91	117	618854	146.359	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	735371	140.031	ug/l	98
40) Benzene	8.16	78	1663814	145.169	ug/l	99
41) Methacrylonitrile	7.32	41	168694m	148.046	ug/l	
42) 1,2-Dichloroethane	8.24	62	470023	154.381	ug/l	99
43) Isopropyl Acetate	8.28	43	615693	168.873	ug/l	99
44) Trichloroethene	8.94	130	520128	142.595	ug/l	98
45) 1,2-Dichloropropane	9.22	63	406609	148.786	ug/l	99
46) Dibromomethane	9.31	93	241588	156.701	ug/l	99
47) Bromodichloromethane	9.50	83	574740	153.327	ug/l	100
48) Methyl methacrylate	9.30	41	279936	167.413	ug/l	99
49) 1,4-Dioxane	9.30	88	76207	3542.191	ug/l	99
51) 4-Methyl-2-Pentanone	10.07	43	1606804	850.547	ug/l	99
52) Toluene	10.24	92	1088032	146.243	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	633966	157.734	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	706551	152.341	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	361437	156.183	ug/l	96
56) Ethyl methacrylate	10.51	69	512936	167.062	ug/l	99
57) 1,3-Dichloropropane	10.79	76	599586	155.725	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	1207224	800.675	ug/l	100
59) 2-Hexanone	10.83	43	1149111	868.320	ug/l	100
60) Dibromochloromethane	10.99	129	470430	159.927	ug/l	99
61) 1,2-Dibromoethane	11.09	107	365833	160.747	ug/l	99
64) Tetrachloroethene	10.72	164	540150	132.920	ug/l	99
65) Chlorobenzene	11.52	112	1221879	146.042	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	465260	149.272	ug/l	100
67) Ethyl Benzene	11.59	91	2121377	144.764	ug/l	100
68) m/p-Xylenes	11.70	106	1651851	289.673	ug/l	99
69) o-Xylene	12.03	106	781027	145.696	ug/l	100
70) Styrene	12.05	104	1367353	148.354	ug/l	99
71) Bromoform	12.20	173	320100	164.673	ug/l	# 99
73) Isopropylbenzene	12.33	105	2096916	143.729	ug/l	100
74) N-amyl acetate	12.14	43	568983	163.897	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	382920	172.881	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	298321m	160.414	ug/l	
77) Bromobenzene	12.61	156	543316	148.083	ug/l	100
78) n-propylbenzene	12.67	91	2398648	141.344	ug/l	100
79) 2-Chlorotoluene	12.75	91	1359246	144.241	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	1727371	140.892	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	163841	165.190	ug/l	100
82) 4-Chlorotoluene	12.85	91	1411897	142.593	ug/l	100
83) tert-Butylbenzene	13.08	119	1538504	141.412	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	1736402	141.483	ug/l	100
85) sec-Butylbenzene	13.25	105	2070981	138.290	ug/l	100
86) p-Isopropyltoluene	13.37	119	1946292	139.026	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	1009270	142.641	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	1004015	142.539	ug/l	100
89) n-Butylbenzene	13.69	91	1738594	135.211	ug/l	100
90) Hexachloroethane	13.96	117	371634	142.948	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	915896	143.926	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	73970	173.896	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	687310	139.531	ug/l	99
94) Hexachlorobutadiene	15.11	225	375594	126.864	ug/l	99
95) Naphthalene	15.23	128	1452388	162.716	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	621911	144.624	ug/l	99

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

