

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011221\
 Data File : VY003897.D
 Acq On : 12 Jan 2021 11:31
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 1/13/2021 4:36:50 PM

Quant Time: Jan 12 11:40:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 12 11:14:38 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	129977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	189951	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	176293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	92316	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	284438	168.12	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 336.24%#			
35) Dibromofluoromethane	7.722	113	225357	147.77	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 295.54%#			
50) Toluene-d8	10.179	98	893304	149.72	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 299.44%#			
62) 4-Bromofluorobenzene	12.477	95	320774	148.52	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 297.04%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	198705	132.82	ug/l	98
3) Chloromethane	2.113	50	271599	147.02	ug/l	97
4) Vinyl Chloride	2.253	62	297873	150.18	ug/l	96
5) Bromomethane	2.631	94	237822	158.05	ug/l	98
6) Chloroethane	2.790	64	200271	162.54	ug/l	99
7) Trichlorofluoromethane	3.125	101	421010	153.11	ug/l	99
8) Diethyl Ether	3.534	74	137899	159.78	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.899	101	218710	147.28	ug/l	94
10) Methyl Iodide	4.094	142	296948	164.86	ug/l	98
11) Tert butyl alcohol	4.972	59	139866	834.44	ug/l	100
12) 1,1-Dichloroethene	3.875	96	217130	151.52	ug/l	89
13) Acrolein	3.735	56	147437	860.16	ug/l	99
14) Allyl chloride	4.485	41	476047	180.35	ug/l	95
15) Acrylonitrile	5.174	53	412732	913.75	ug/l	99
16) Acetone	3.954	43	380164	980.87	ug/l	94
17) Carbon Disulfide	4.198	76	707896	152.79	ug/l	100
18) Methyl Acetate	4.485	43	205887	197.12	ug/l	95
19) Methyl tert-butyl Ether	5.228	73	711784	169.53	ug/l	99
20) Methylene Chloride	4.722	84	246424	140.22	ug/l	87
21) trans-1,2-Dichloroethene	5.228	96	249973	152.51	ug/l	89
22) Diisopropyl ether	6.125	45	935041	177.58	ug/l	95
23) Vinyl Acetate	6.070	43	3383154	955.30	ug/l	97
24) 1,1-Dichloroethane	6.027	63	456715	162.26	ug/l	99
25) 2-Butanone	6.990	43	602818	1002.56	ug/l	94
26) 2,2-Dichloropropane	6.990	77	422049	159.16	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	280157	156.70	ug/l	95
28) Bromochloromethane	7.344	49	222204	181.56	ug/l	82
29) Tetrahydrofuran	7.350	42	400627	974.51	ug/l	94
30) Chloroform	7.515	83	461031	157.89	ug/l	97
31) Cyclohexane	7.789	56	458076	161.68	ug/l	95
32) 1,1,1-Trichloroethane	7.710	97	428927	158.22	ug/l	97
36) 1,1-Dichloropropene	7.923	75	365417	151.17	ug/l	99
37) Ethyl Acetate	7.082	43	263652	183.23	ug/l	97
38) Carbon Tetrachloride	7.905	117	391666	148.70	ug/l	97
39) Methylcyclohexane	9.185	83	455952	153.43	ug/l	97
40) Benzene	8.167	78	1027593	154.34	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	116326m	144.44	ug/l	
42) 1,2-Dichloroethane	8.240	62	350472	159.91	ug/l	98
43) Isopropyl Acetate	8.277	43	509699	189.13	ug/l	95
44) Trichloroethene	8.941	130	279938	142.82	ug/l	95
45) 1,2-Dichloropropane	9.215	63	266046	159.24	ug/l	100
46) Dibromomethane	9.307	93	151134	155.90	ug/l	93
47) Bromodichloromethane	9.496	83	374986	156.56	ug/l	99
48) Methyl methacrylate	9.295	41	248297	192.91	ug/l	91
49) 1,4-Dioxane	9.301	88	42465	3416.95	ug/l	88
51) 4-Methyl-2-Pentanone	10.069	43	1358349	955.22	ug/l	96
52) Toluene	10.240	92	650713	151.48	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	407979	159.55	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	438724	152.71	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	206322	150.73	ug/l	95
56) Ethyl methacrylate	10.508	69	326587	173.88	ug/l	90
57) 1,3-Dichloropropane	10.788	76	368541	155.68	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	757804	819.30	ug/l	97
59) 2-Hexanone	10.831	43	960973	978.32	ug/l	94
60) Dibromochloromethane	10.983	129	266008	149.70	ug/l	100
61) 1,2-Dibromoethane	11.087	107	204435	151.54	ug/l	100
64) Tetrachloroethene	10.715	164	313269	142.47	ug/l	96
65) Chlorobenzene	11.514	112	683063	147.40	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	268771	149.70	ug/l	99
67) Ethyl Benzene	11.587	91	1310558	157.59	ug/l	99
68) m/p-Xylenes	11.697	106	975917	306.97	ug/l	96
69) o-Xylene	12.026	106	454788	153.10	ug/l	97
70) Styrene	12.044	104	795556	157.37	ug/l	98
71) Bromoform	12.203	173	179153	147.66	ug/l	98
73) Isopropylbenzene	12.325	105	1244715	160.86	ug/l	99
74) N-amyl acetate	12.142	43	470990	204.63	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	239741	169.53	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	190065m	170.11	ug/l	
77) Bromobenzene	12.605	156	302974	152.07	ug/l	89
78) n-propylbenzene	12.666	91	1485623	163.06	ug/l	98
79) 2-Chlorotoluene	12.751	91	828021	159.63	ug/l	97
80) 1,3,5-Trimethylbenzene	12.806	105	1056889	159.47	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	100822	174.43	ug/l #	87
82) 4-Chlorotoluene	12.849	91	870657	159.40	ug/l	97
83) tert-Butylbenzene	13.068	119	901197	157.90	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	1063444	160.55	ug/l	98
85) sec-Butylbenzene	13.251	105	1227285	158.62	ug/l	98
86) p-Isopropyltoluene	13.367	119	1172827	158.20	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	574474	150.72	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	554074	148.25	ug/l	98
89) n-Butylbenzene	13.690	91	1077425	159.34	ug/l	99
90) Hexachloroethane	13.952	117	210469	154.79	ug/l	98
91) 1,2-Dichlorobenzene	13.733	146	500348	148.71	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.349	75	50240	174.09	ug/l	90
93) 1,2,4-Trichlorobenzene	15.001	180	373865	151.20	ug/l	100
94) Hexachlorobutadiene	15.105	225	238193	143.13	ug/l	100
95) Naphthalene	15.233	128	762847	174.31	ug/l	99
96) 1,2,3-Trichlorobenzene	15.416	180	331131	153.82	ug/l	99

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

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