

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083121\
 Data File : VY005902.D
 Acq On : 31 Aug 2021 10:40
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/1/2021 6:41:34 PM

Quant Time: Sep 01 05:14:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 01 05:12:58 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	276871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	406825	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	375138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	197880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	53852	19.301	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	38.600%#		
35) Dibromofluoromethane	7.722	113	43671	19.114	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.220%#		
50) Toluene-d8	10.185	98	179937	18.766	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	37.540%#		
62) 4-Bromofluorobenzene	12.483	95	61803	19.195	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	38.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	50746	20.527	ug/l	98
3) Chloromethane	2.113	50	51089	19.512	ug/l	99
4) Vinyl Chloride	2.253	62	65513	19.250	ug/l	99
5) Bromomethane	2.637	94	46803	20.383	ug/l	91
6) Chloroethane	2.796	64	41262	20.276	ug/l	96
7) Trichlorofluoromethane	3.125	101	89235	20.527	ug/l	94
8) Diethyl Ether	3.534	74	30155	20.377	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.899	101	46736	19.965	ug/l	99
10) Methyl Iodide	4.094	142	57369	19.502	ug/l	100
11) Tert butyl alcohol	4.936	59	101681	185.328	ug/l #	86
12) 1,1-Dichloroethene	3.875	96	48433	20.378	ug/l	96
13) Acrolein	3.735	56	14723	129.672	ug/l	99
14) Allyl chloride	4.491	41	79994	20.013	ug/l	99
15) Acrylonitrile	5.173	53	76908	102.766	ug/l	99
16) Acetone	3.954	43	74356	104.516	ug/l	99
17) Carbon Disulfide	4.198	76	153543	20.226	ug/l	97
18) Methyl Acetate	4.485	43	39366	19.930	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	143800	20.154	ug/l	97
20) Methylene Chloride	4.722	84	66249	21.038	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	52990	19.982	ug/l	98
22) Diisopropyl ether	6.125	45	164994	20.316	ug/l	97
23) Vinyl Acetate	6.070	43	511999	103.888	ug/l	99
24) 1,1-Dichloroethane	6.027	63	93388	20.159	ug/l	99
25) 2-Butanone	6.996	43	106537	106.002	ug/l	97
26) 2,2-Dichloropropane	6.984	77	87754	20.247	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	59233	19.878	ug/l	98
28) Bromochloromethane	7.344	49	37049	19.400	ug/l	96
29) Tetrahydrofuran	7.350	42	68590	105.327	ug/l	99
30) Chloroform	7.515	83	94730	19.927	ug/l	99
31) Cyclohexane	7.789	56	93511	19.871	ug/l	96
32) 1,1,1-Trichloroethane	7.710	97	87920	19.863	ug/l	99
36) 1,1-Dichloropropene	7.923	75	75098	19.606	ug/l	99
37) Ethyl Acetate	7.082	43	48086	20.962	ug/l	99
38) Carbon Tetrachloride	7.905	117	81640	19.664	ug/l	98
39) Methylcyclohexane	9.191	83	96504	19.892	ug/l	95
40) Benzene	8.167	78	214212	19.795	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	23253m	17.725	ug/l	
42) 1,2-Dichloroethane	8.246	62	69676	19.821	ug/l	99
43) Isopropyl Acetate	8.277	43	85377	20.491	ug/l	100
44) Trichloroethene	8.941	130	60629	19.978	ug/l	98
45) 1,2-Dichloropropane	9.222	63	52515	19.777	ug/l	97
46) Dibromomethane	9.307	93	29849	19.534	ug/l	98
47) Bromodichloromethane	9.502	83	74303	20.008	ug/l	100
48) Methyl methacrylate	9.295	41	38833	20.278	ug/l	100
49) 1,4-Dioxane	9.301	88	8622	409.700	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	231669	103.196	ug/l	100
52) Toluene	10.246	92	136409	19.558	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	81371	19.761	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	89021	19.704	ug/l	95
55) 1,1,2-Trichloroethane	10.648	97	44023	20.114	ug/l	99
56) Ethyl methacrylate	10.514	69	63382	20.007	ug/l	99
57) 1,3-Dichloropropane	10.794	76	76436	20.144	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	168453	103.014	ug/l	100
59) 2-Hexanone	10.837	43	162413	103.555	ug/l	99
60) Dibromochloromethane	10.983	129	52741	19.627	ug/l	98
61) 1,2-Dibromoethane	11.093	107	41337	19.827	ug/l	99
64) Tetrachloroethene	10.721	164	61175	19.917	ug/l	97
65) Chlorobenzene	11.520	112	148686	19.754	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	55255	19.609	ug/l	100
67) Ethyl Benzene	11.593	91	263305	19.568	ug/l	99
68) m/p-Xylenes	11.703	106	206631	38.942	ug/l	100
69) o-Xylene	12.032	106	97240	19.520	ug/l	99
70) Styrene	12.044	104	166261	19.566	ug/l	99
71) Bromoform	12.209	173	36674	19.741	ug/l #	100
73) Isopropylbenzene	12.331	105	255113	19.343	ug/l	99
74) N-amyl acetate	12.142	43	76128	20.118	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	50462	20.104	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	41077m	28.767	ug/l	
77) Bromobenzene	12.611	156	65019	19.572	ug/l	100
78) n-propylbenzene	12.672	91	309405	19.629	ug/l	99
79) 2-Chlorotoluene	12.758	91	172659	19.676	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	218674	19.789	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	18997	19.507	ug/l	95
82) 4-Chlorotoluene	12.855	91	182497	19.823	ug/l	99
83) tert-Butylbenzene	13.075	119	190614	19.735	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	215008	19.616	ug/l	99
85) sec-Butylbenzene	13.251	105	280562	19.709	ug/l	99
86) p-Isopropyltoluene	13.367	119	241853	19.607	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	125255	19.378	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	126908	19.655	ug/l	99
89) n-Butylbenzene	13.696	91	217373	19.696	ug/l	100
90) Hexachloroethane	13.959	117	43730	19.535	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	113532	19.808	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9829	20.879	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	77024	19.909	ug/l	97
94) Hexachlorobutadiene	15.111	225	48903	19.622	ug/l	99
95) Naphthalene	15.233	128	148056	19.919	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	66749	19.762	ug/l	99

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

