

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062422\
 Data File : VY009309.D
 Acq On : 24 Jun 2022 14:31
 Operator : KP/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2022
 Supervised By :Mahesh Dadoda 06/30/2022

Quant Time: Jun 25 06:33:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062422S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 25 06:30:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	192695	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	316779	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	293904	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	140267	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	39597	19.626	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.260%#		
35) Dibromofluoromethane	7.710	113	37810	19.138	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.280%#		
50) Toluene-d8	10.173	98	151292	20.425	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	40.860%#		
62) 4-Bromofluorobenzene	12.477	95	52721	19.505	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	39.020%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	33530	23.274	ug/l	99
3) Chloromethane	2.107	50	40634	23.259	ug/l	91
4) Vinyl Chloride	2.241	62	42881	22.254	ug/l	97
5) Bromomethane	2.625	94	26657	20.205	ug/l	99
6) Chloroethane	2.778	64	20788	16.757	ug/l	98
7) Trichlorofluoromethane	3.113	101	53269	17.846	ug/l	98
8) Diethyl Ether	3.521	74	14867	13.414	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.887	101	35975	18.691	ug/l	98
10) Methyl Iodide	4.076	142	49335	20.834	ug/l	98
11) Tert butyl alcohol	4.936	59	40357	101.840	ug/l #	78
12) 1,1-Dichloroethene	3.857	96	36196	19.593	ug/l	95
13) Acrolein	3.723	56	17584	176.250	ug/l	96
14) Allyl chloride	4.460	41	63327	19.206	ug/l	97
15) Acrylonitrile	5.149	53	52772	85.942	ug/l	98
16) Acetone	3.942	43	43971	83.379	ug/l	97
17) Carbon Disulfide	4.180	76	118638	22.654	ug/l	97
18) Methyl Acetate	4.472	43	27024	15.252	ug/l	98
19) Methyl tert-butyl Ether	5.210	73	98389	18.004	ug/l	98
20) Methylene Chloride	4.710	84	47006	13.855	ug/l	92
21) trans-1,2-Dichloroethene	5.204	96	44032	20.227	ug/l	99
22) Diisopropyl ether	6.112	45	133638	19.670	ug/l	96
23) Vinyl Acetate	6.051	43	420809	100.355	ug/l	97
24) 1,1-Dichloroethane	6.003	63	73728	18.974	ug/l	98
25) 2-Butanone	6.978	43	72524	87.388	ug/l	93
26) 2,2-Dichloropropane	6.972	77	67119	18.431	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	47208	18.831	ug/l	97
28) Bromochloromethane	7.326	49	30169	17.853	ug/l	98
29) Tetrahydrofuran	7.344	42	48885	93.228	ug/l	98
30) Chloroform	7.502	83	73281	18.456	ug/l	96
31) Cyclohexane	7.777	56	74588	20.620	ug/l	99
32) 1,1,1-Trichloroethane	7.697	97	65304	18.773	ug/l	98
36) 1,1-Dichloropropene	7.911	75	58358	18.979	ug/l	98
37) Ethyl Acetate	7.070	43	32516	17.534	ug/l	99
38) Carbon Tetrachloride	7.893	117	58754	18.382	ug/l	99
39) Methylcyclohexane	9.179	83	73190	19.329	ug/l	99
40) Benzene	8.155	78	173884	19.180	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	20081m	20.043	ug/l	
42) 1,2-Dichloroethane	8.234	62	49445	18.982	ug/l	98
43) Isopropyl Acetate	8.271	43	60171	17.752	ug/l	99
44) Trichloroethene	8.935	130	46233	18.095	ug/l	97
45) 1,2-Dichloropropane	9.209	63	43355	18.702	ug/l	98
46) Dibromomethane	9.301	93	24040	18.103	ug/l	98
47) Bromodichloromethane	9.490	83	57105	18.226	ug/l	100
48) Methyl methacrylate	9.289	41	27863	18.794	ug/l	94
49) 1,4-Dioxane	9.289	88	6227	325.075	ug/l	97
51) 4-Methyl-2-Pentanone	10.063	43	157008	89.307	ug/l	99
52) Toluene	10.240	92	110277	19.299	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	60055	18.408	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	69991	18.875	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	33626	18.203	ug/l	97
56) Ethyl methacrylate	10.502	69	45379	18.518	ug/l	99
57) 1,3-Dichloropropane	10.788	76	57567	18.149	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	113184	103.073	ug/l	100
59) 2-Hexanone	10.825	43	105690	88.687	ug/l	100
60) Dibromochloromethane	10.977	129	41503	18.372	ug/l	98
61) 1,2-Dibromoethane	11.087	107	32689	17.976	ug/l	97
64) Tetrachloroethene	10.715	164	52935	18.938	ug/l	93
65) Chlorobenzene	11.514	112	118205	18.163	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	42059	17.723	ug/l	97
67) Ethyl Benzene	11.587	91	211349	18.766	ug/l	99
68) m/p-Xylenes	11.697	106	165229	37.315	ug/l	100
69) o-Xylene	12.026	106	77580	18.506	ug/l	100
70) Styrene	12.038	104	128114	18.386	ug/l	99
71) Bromoform	12.203	173	25338	17.323	ug/l #	99
73) Isopropylbenzene	12.325	105	198934	18.504	ug/l	100
74) N-amyl acetate	12.142	43	51455	17.852	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	37710	18.406	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	26321m	16.555	ug/l	
77) Bromobenzene	12.605	156	50215	19.191	ug/l	100
78) n-propylbenzene	12.666	91	248351	19.155	ug/l	99
79) 2-Chlorotoluene	12.751	91	138603	18.959	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	170601	19.062	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	14310	18.887	ug/l	95
82) 4-Chlorotoluene	12.849	91	143735	18.860	ug/l	100
83) tert-Butylbenzene	13.075	119	147528	18.936	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	168437	19.239	ug/l	100
85) sec-Butylbenzene	13.251	105	221792	19.023	ug/l	99
86) p-Isopropyltoluene	13.367	119	180296	18.623	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	94535	18.645	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	95450	18.780	ug/l	99
89) n-Butylbenzene	13.690	91	168652	18.711	ug/l	100
90) Hexachloroethane	13.959	117	34045	18.598	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	83800	18.456	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6508	17.799	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	49697	18.028	ug/l	99
94) Hexachlorobutadiene	15.111	225	27046	18.174	ug/l	98
95) Naphthalene	15.233	128	94194	17.027	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	42454	17.903	ug/l	99

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

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