

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022224\
 Data File : VY017454.D
 Acq On : 22 Feb 2024 13:32
 Operator : SY/MD
 Sample : VY0222SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0222SBS01

Quant Time: Feb 23 00:28:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 20 06:16:24 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/23/2024
 Supervised By :Semsettin Yesilyurt 02/23/2024

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	176282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	274763	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	242759	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	106849	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	70436	46.772	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.540%		
35) Dibromofluoromethane	7.722	113	81717	50.808	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.620%		
50) Toluene-d8	10.185	98	317165	50.846	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.700%		
62) 4-Bromofluorobenzene	12.489	95	95283	45.945	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	91.900%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	27340	19.450	ug/l	98
3) Chloromethane	2.119	50	46873	16.339	ug/l	98
4) Vinyl Chloride	2.253	62	59599	15.956	ug/l	98
5) Bromomethane	2.650	94	48860	15.659	ug/l	96
6) Chloroethane	2.796	64	37330	15.689	ug/l	99
7) Trichlorofluoromethane	3.131	101	60367	18.845	ug/l	98
8) Diethyl Ether	3.534	74	17242	19.044	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.899	101	35890	19.384	ug/l	98
10) Methyl Iodide	4.095	142	36910	18.732	ug/l	99
11) Tert butyl alcohol	4.960	59	13827	118.084	ug/l #	87
12) 1,1-Dichloroethene	3.875	96	33739	19.387	ug/l	97
13) Acrolein	3.735	56	16417	104.770	ug/l	98
14) Allyl chloride	4.479	41	39445	18.700	ug/l	97
15) Acrylonitrile	5.161	53	33821	93.959	ug/l	98
16) Acetone	3.948	43	30504	93.529	ug/l	97
17) Carbon Disulfide	4.198	76	103453	18.712	ug/l	97
18) Methyl Acetate	4.479	43	12747	17.236	ug/l	98
19) Methyl tert-butyl Ether	5.228	73	71255	18.126	ug/l	99
20) Methylene Chloride	4.716	84	42871	17.447	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	38857	19.304	ug/l	99
22) Diisopropyl ether	6.119	45	91169	18.792	ug/l	93
23) Vinyl Acetate	6.064	43	261241	90.606	ug/l	100
24) 1,1-Dichloroethane	6.021	63	62416	18.976	ug/l	99
25) 2-Butanone	6.990	43	42540	92.921	ug/l	98
26) 2,2-Dichloropropane	6.984	77	52972	18.717	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	43568	19.488	ug/l	97
28) Bromochloromethane	7.338	49	21866	17.718	ug/l	97
29) Tetrahydrofuran	7.356	42	25047	93.068	ug/l	99
30) Chloroform	7.515	83	66939	19.279	ug/l	96
31) Cyclohexane	7.789	56	53590	17.976	ug/l	92
32) 1,1,1-Trichloroethane	7.704	97	57553	18.766	ug/l	99
36) 1,1-Dichloropropene	7.923	75	51730	19.258	ug/l	99
37) Ethyl Acetate	7.076	43	17534	17.926	ug/l #	96
38) Carbon Tetrachloride	7.905	117	50933	19.044	ug/l	96
39) Methylcyclohexane	9.185	83	62480	19.002	ug/l	97
40) Benzene	8.161	78	153192	19.519	ug/l	97

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 Supervised By :Semsettin Yesilyurt 02/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	7690	16.099	ug/l #	86
42) 1,2-Dichloroethane	8.240	62	35832	18.809	ug/l	97
43) Isopropyl Acetate	8.277	43	32657	18.476	ug/l	98
44) Trichloroethene	8.941	130	41938	19.714	ug/l	98
45) 1,2-Dichloropropane	9.222	63	35099	19.347	ug/l	100
46) Dibromomethane	9.307	93	20006	19.402	ug/l	98
47) Bromodichloromethane	9.502	83	49444	19.502	ug/l	94
48) Methyl methacrylate	9.295	41	14873	17.934	ug/l	94
49) 1,4-Dioxane	9.307	88	4184	387.950	ug/l #	97
51) 4-Methyl-2-Pentanone	10.075	43	87555	91.930	ug/l	98
52) Toluene	10.246	92	95370	19.465	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	43659	18.598	ug/l	95
54) cis-1,3-Dichloropropene	9.935	75	54943	19.076	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	28171	19.856	ug/l	93
56) Ethyl methacrylate	10.514	69	28843	18.624	ug/l	98
57) 1,3-Dichloropropane	10.795	76	45577	19.415	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	76377	90.097	ug/l	99
59) 2-Hexanone	10.837	43	60344	91.987	ug/l	99
60) Dibromochloromethane	10.990	129	33666	19.962	ug/l	99
61) 1,2-Dibromoethane	11.093	107	25826	19.457	ug/l	99
64) Tetrachloroethene	10.721	164	38107	19.614	ug/l	97
65) Chlorobenzene	11.520	112	99480	19.022	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	37244	19.124	ug/l	98
67) Ethyl Benzene	11.599	91	175174	18.728	ug/l	96
68) m/p-Xylenes	11.709	106	136080	37.009	ug/l	99
69) o-Xylene	12.032	106	63339	18.777	ug/l	99
70) Styrene	12.050	104	104530	18.867	ug/l	97
71) Bromoform	12.215	173	19514	19.259	ug/l #	96
73) Isopropylbenzene	12.337	105	165579	20.062	ug/l	99
74) N-amyl acetate	12.148	43	26476	18.423	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	29455	19.968	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	19522m	18.844	ug/l	
77) Bromobenzene	12.611	156	39736	20.528	ug/l	94
78) n-propylbenzene	12.678	91	202834	20.318	ug/l	100
79) 2-Chlorotoluene	12.758	91	110940	20.182	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	133431	20.212	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	8496	19.121	ug/l	98
82) 4-Chlorotoluene	12.861	91	113554	20.019	ug/l	98
83) tert-Butylbenzene	13.081	119	117435	20.372	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	129848	19.854	ug/l	98
85) sec-Butylbenzene	13.258	105	178975	20.214	ug/l	100
86) p-Isopropyltoluene	13.373	119	145953	20.014	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	76553	19.583	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	75009	19.873	ug/l	99
89) n-Butylbenzene	13.703	91	131567	19.837	ug/l	99
90) Hexachloroethane	13.965	117	28281	19.791	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	64863	19.713	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	3215	17.243	ug/l	91
93) 1,2,4-Trichlorobenzene	15.013	180	32167	18.697	ug/l	97
94) Hexachlorobutadiene	15.117	225	21453	20.502	ug/l	99
95) Naphthalene	15.245	128	48791	17.728	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	26363	18.227	ug/l	98

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

