

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011924\
 Data File : VY017045.D
 Acq On : 19 Jan 2024 10:40
 Operator : SY/MD
 Sample : VY0119SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0119SBS01

Quant Time: Jan 19 22:17:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/22/2024
 Supervised By :Semsettin Yesilyurt 01/22/2024

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

Internal Standards						
1) Pentafluorobenzene	7.826	168	147463	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.722	114	246939	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.514	117	210718	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	91077	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	66250	45.456	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.920%		
35) Dibromofluoromethane	7.752	113	72814	46.273	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.540%		
50) Toluene-d8	10.203	98	238324	43.982	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	87.960%		
62) 4-Bromofluorobenzene	12.502	95	82988	45.393	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery =	90.780%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.924	85	19212	15.235	ug/l	94
3) Chloromethane	2.138	50	26826	15.486	ug/l	97
4) Vinyl Chloride	2.272	62	32745	16.026	ug/l	94
5) Bromomethane	2.668	94	26621	18.186	ug/l	97
6) Chloroethane	2.820	64	24014	17.374	ug/l	95
7) Trichlorofluoromethane	3.156	101	46935	18.643	ug/l	95
8) Diethyl Ether	3.558	74	15184	18.872	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.936	101	30811	18.822	ug/l	99
10) Methyl Iodide	4.131	142	22391	16.078	ug/l	98
11) Tert butyl alcohol	5.003	59	14959	124.406	ug/l	99
12) 1,1-Dichloroethene	3.912	96	24993	17.795	ug/l	91
13) Acrolein	3.765	56	16113	96.551	ug/l	99
14) Allyl chloride	4.527	41	39816	17.932	ug/l	99
15) Acrylonitrile	5.210	53	40917	108.723	ug/l	100
16) Acetone	3.985	43	53300	137.520	ug/l	97
17) Carbon Disulfide	4.241	76	42747	12.738	ug/l	98
18) Methyl Acetate	4.521	43	29190	18.694	ug/l	98
19) Methyl tert-butyl Ether	5.265	73	76801	21.018	ug/l	99
20) Methylene Chloride	4.765	84	35541	13.273	ug/l	97
21) trans-1,2-Dichloroethene	5.271	96	28427	17.672	ug/l	96
22) Diisopropyl ether	6.161	45	103864	20.233	ug/l	99
23) Vinyl Acetate	6.106	43	252081	107.097	ug/l	99
24) 1,1-Dichloroethane	6.064	63	59346	19.238	ug/l	96
25) 2-Butanone	7.021	43	64552	124.935	ug/l	99
26) 2,2-Dichloropropane	7.021	77	52392	19.588	ug/l	98
27) cis-1,2-Dichloroethene	7.027	96	36639	19.430	ug/l	99
28) Bromochloromethane	7.368	49	21385	18.466	ug/l	100
29) Tetrahydrofuran	7.387	42	32016	108.534	ug/l	99
30) Chloroform	7.545	83	64224	20.203	ug/l	98
31) Cyclohexane	7.819	56	42127	16.841	ug/l	96
32) 1,1,1-Trichloroethane	7.740	97	52900	19.626	ug/l	98
36) 1,1-Dichloropropene	7.954	75	41880	18.262	ug/l	99
37) Ethyl Acetate	7.118	43	23537	22.585	ug/l	99
38) Carbon Tetrachloride	7.935	117	44625	19.153	ug/l	98
39) Methylcyclohexane	9.216	83	44128	17.117	ug/l	98
40) Benzene	8.197	78	128850	18.730	ug/l	99

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Reviewed By :Mahesh Dadoda 01/22/2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.350	41	11063	20.156	ug/l #	65
42) 1,2-Dichloroethane	8.264	62	37101	20.315	ug/l	100
43) Isopropyl Acetate	8.307	43	42431	21.261	ug/l	98
44) Trichloroethene	8.966	130	33732	19.270	ug/l	95
45) 1,2-Dichloropropane	9.246	63	35525	20.045	ug/l	100
46) Dibromomethane	9.331	93	18619	20.599	ug/l	98
47) Bromodichloromethane	9.520	83	48473	19.971	ug/l	96
48) Methyl methacrylate	9.319	41	22063	20.485	ug/l	95
49) 1,4-Dioxane	9.325	88	4538	484.886	ug/l	95
51) 4-Methyl-2-Pentanone	10.093	43	119004	112.124	ug/l	99
52) Toluene	10.270	92	78941	19.014	ug/l	98
53) t-1,3-Dichloropropene	10.490	75	43220	19.880	ug/l	98
54) cis-1,3-Dichloropropene	9.953	75	52146	19.972	ug/l	96
55) 1,1,2-Trichloroethane	10.666	97	27747	21.013	ug/l	96
56) Ethyl methacrylate	10.532	69	23442	20.959	ug/l	98
57) 1,3-Dichloropropane	10.813	76	47048	21.340	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.807	63	56418	92.008	ug/l	99
59) 2-Hexanone	10.855	43	91424	116.984	ug/l	99
60) Dibromochloromethane	11.008	129	31567	20.730	ug/l	100
61) 1,2-Dibromoethane	11.112	107	23573	20.547	ug/l	99
64) Tetrachloroethene	10.746	164	25890	18.951	ug/l	97
65) Chlorobenzene	11.538	112	86713	19.754	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.611	131	33906	20.319	ug/l	97
67) Ethyl Benzene	11.611	91	155121	19.628	ug/l	97
68) m/p-Xylenes	11.721	106	114574	39.497	ug/l	99
69) o-Xylene	12.050	106	53866	19.808	ug/l	99
70) Styrene	12.063	104	79716	20.141	ug/l	99
71) Bromoform	12.227	173	17990	21.900	ug/l #	98
73) Isopropylbenzene	12.349	105	149069	20.043	ug/l	100
74) N-amyl acetate	12.166	43	32209	21.555	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.599	83	33281	21.962	ug/l	97
76) 1,2,3-Trichloropropane	12.654	75	19766m	19.999	ug/l	
77) Bromobenzene	12.630	156	32822	20.044	ug/l	98
78) n-propylbenzene	12.691	91	180804	19.997	ug/l	100
79) 2-Chlorotoluene	12.776	91	100121	19.969	ug/l	100
80) 1,3,5-Trimethylbenzene	12.831	105	118489	20.144	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.398	75	8926	20.508	ug/l	99
82) 4-Chlorotoluene	12.873	91	102245	19.961	ug/l	98
83) tert-Butylbenzene	13.093	119	103799	20.035	ug/l	97
84) 1,2,4-Trimethylbenzene	13.142	105	117461	20.277	ug/l	99
85) sec-Butylbenzene	13.276	105	155977	20.318	ug/l	100
86) p-Isopropyltoluene	13.392	119	126793	20.013	ug/l	100
87) 1,3-Dichlorobenzene	13.386	146	63692	19.833	ug/l	99
88) 1,4-Dichlorobenzene	13.465	146	63039	20.069	ug/l	98
89) n-Butylbenzene	13.715	91	121323	19.917	ug/l	99
90) Hexachloroethane	13.983	117	26294	19.314	ug/l	97
91) 1,2-Dichlorobenzene	13.757	146	56290	20.282	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.379	75	3787	19.929	ug/l	98
93) 1,2,4-Trichlorobenzene	15.025	180	26850	19.482	ug/l	96
94) Hexachlorobutadiene	15.135	225	16216	18.783	ug/l	97
95) Naphthalene	15.257	128	47243	20.467	ug/l	99
96) 1,2,3-Trichlorobenzene	15.446	180	21763	18.598	ug/l	97

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

