

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082224\
 Data File : VY019235.D
 Acq On : 22 Aug 2024 21:10
 Operator : SY/MD
 Sample : P3643-03MSD
 Misc : 5.16g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 932-K1-SD-0-0.5-081524MSD

Quant Time: Aug 23 01:59:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/23/2024
 Supervised By :Semsettin Yesilyurt 08/23/2024

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	97693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	143520	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	78920	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	17651	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	50239	51.301	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.600%			
35) Dibromofluoromethane	7.622	113	51064	54.415	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.820%			
50) Toluene-d8	10.103	98	148330	43.923	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 87.840%			
62) 4-Bromofluorobenzene	12.408	95	22870	19.866	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 39.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	38792	54.122	ug/l	96
3) Chloromethane	2.068	50	65046	50.348	ug/l	98
4) Vinyl Chloride	2.202	62	71976	45.103	ug/l	100
5) Bromomethane	2.592	94	47131	48.152	ug/l	98
6) Chloroethane	2.732	64	47579	46.572	ug/l	97
7) Trichlorofluoromethane	3.049	101	96185	39.866	ug/l	94
8) Diethyl Ether	3.446	74	21953	42.154	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.805	101	44935	41.893	ug/l	99
10) Methyl Iodide	3.994	142	40483	38.506	ug/l	93
11) Tert butyl alcohol	4.836	59	13800	148.556	ug/l #	92
12) 1,1-Dichloroethene	3.781	96	41182	42.260	ug/l	95
14) Allyl chloride	4.378	41	55106	42.532	ug/l	95
15) Acrylonitrile	5.043	53	47468	222.762	ug/l	97
16) Acetone	3.854	43	46495	256.011	ug/l #	86
17) Carbon Disulfide	4.098	76	106419	38.718	ug/l	100
18) Methyl Acetate	4.372	43	80899	145.139	ug/l	95
19) Methyl tert-butyl Ether	5.104	73	116141	49.159	ug/l	94
20) Methylene Chloride	4.610	84	58840	52.725	ug/l	94
21) trans-1,2-Dichloroethene	5.104	96	49987	45.914	ug/l	95
22) Diisopropyl ether	6.012	45	169426	57.123	ug/l	95
24) 1,1-Dichloroethane	5.909	63	103701	57.171	ug/l	98
25) 2-Butanone	6.884	43	71064	242.968	ug/l	90
26) 2,2-Dichloropropane	6.872	77	75214	51.207	ug/l	99
27) cis-1,2-Dichloroethene	6.878	96	65999	51.512	ug/l	97
28) Bromochloromethane	7.232	49	41297	54.276	ug/l	95
29) Tetrahydrofuran	7.250	42	46727	248.527	ug/l	89
30) Chloroform	7.415	83	109114	53.986	ug/l	100
31) Cyclohexane	7.689	56	69595	49.652	ug/l	95
32) 1,1,1-Trichloroethane	7.610	97	97521	54.903	ug/l	97
36) 1,1-Dichloropropene	7.829	75	65453	50.793	ug/l	100
37) Ethyl Acetate	6.976	43	26195	45.882	ug/l	95
38) Carbon Tetrachloride	7.805	117	82579	55.297	ug/l	98
39) Methylcyclohexane	9.103	83	63973	38.686	ug/l	95
40) Benzene	8.073	78	218067	55.177	ug/l	99
41) Methacrylonitrile	7.207	41	14845	47.639	ug/l	95
42) 1,2-Dichloroethane	8.152	62	59605	55.850	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Isopropyl Acetate	8.189	43	54591	47.280	ug/l #	81
44) Trichloroethene	8.859	130	50639	45.920	ug/l	96
45) 1,2-Dichloropropane	9.134	63	49365	56.062	ug/l	91
46) Dibromomethane	9.225	93	27707	48.514	ug/l	97
47) Bromodichloromethane	9.420	83	70583	50.374	ug/l	100
48) Methyl methacrylate	9.213	41	30343	58.967	ug/l #	83
49) 1,4-Dioxane	9.219	88	7037	1017.158	ug/l #	93
51) 4-Methyl-2-Pentanone	9.999	43	154555	252.200	ug/l	93
52) Toluene	10.170	92	114371	44.086	ug/l	97
53) t-1,3-Dichloropropene	10.390	75	47181	40.592	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	62470	44.690	ug/l	92
55) 1,1,2-Trichloroethane	10.572	97	34339	46.706	ug/l	94
56) Ethyl methacrylate	10.438	69	31012	32.226	ug/l #	82
57) 1,3-Dichloropropane	10.719	76	55041	45.924	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	80406	176.124	ug/l	99
59) 2-Hexanone	10.761	43	94750	225.047	ug/l	89
60) Dibromochloromethane	10.914	129	40340	40.284	ug/l	97
61) 1,2-Dibromoethane	11.018	107	29203	41.095	ug/l	97
64) Tetrachloroethene	10.646	164	37044	53.701	ug/l	97
65) Chlorobenzene	11.444	112	84978	46.762	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	41376	64.745	ug/l	97
67) Ethyl Benzene	11.517	91	170089	53.926	ug/l	94
68) m/p-Xylenes	11.627	106	121394	96.997	ug/l	100
69) o-Xylene	11.956	106	56332	48.605	ug/l	98
70) Styrene	11.969	104	47367	23.967	ug/l #	89
71) Bromoform	12.133	173	18396	50.357	ug/l #	96
73) Isopropylbenzene	12.255	105	140890	104.142	ug/l	98
74) N-amyl acetate	12.072	43	19347	65.583	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.505	83	25429	105.580	ug/l	96
76) 1,2,3-Trichloropropane	12.560	75	21107m	121.255	ug/l	
77) Bromobenzene	12.536	156	22542	69.381	ug/l	92
78) n-propylbenzene	12.597	91	131809	81.501	ug/l	99
79) 2-Chlorotoluene	12.682	91	64268	70.881	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	83350	75.627	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	6855	97.257	ug/l #	84
82) 4-Chlorotoluene	12.779	91	57485	60.939	ug/l	98
83) tert-Butylbenzene	12.999	119	89220	87.661	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	73068	66.520	ug/l	99
85) sec-Butylbenzene	13.176	105	104023	70.135	ug/l	100
86) p-Isopropyltoluene	13.298	119	77311	63.460	ug/l	97
87) 1,3-Dichlorobenzene	13.291	146	26778	41.792	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	26428	41.493	ug/l	99
89) n-Butylbenzene	13.621	91	48700	43.846	ug/l	97
90) Hexachloroethane	13.883	117	17885	74.482	ug/l	96
91) 1,2-Dichlorobenzene	13.663	146	21461	38.083	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3039	85.771	ug/l	86
93) 1,2,4-Trichlorobenzene	14.925	180	4923	15.491	ug/l	95
94) Hexachlorobutadiene	15.023	225	5232	31.607	ug/l	98
95) Naphthalene	15.145	128	6537	11.525	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.334	180	3068	11.446	ug/l	96

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