

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082124\
 Data File : VY019188.D
 Acq On : 21 Aug 2024 22:42
 Operator : SY/MD
 Sample : P3643-03MSD
 Misc : 5.16g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Aug 22 01:21:50 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	7.695	168	39439	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	47600	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	17998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	3612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	27549	69.683	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 139.360%			
35) Dibromofluoromethane	7.634	113	26613	85.507	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 171.020%#			
50) Toluene-d8	10.103	98	44625	39.842	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 79.680%			
62) 4-Bromofluorobenzene	12.407	95	3929	10.290	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 20.580%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	33208	114.765	ug/l	97
3) Chloromethane	2.062	50	53850	103.248	ug/l	98
4) Vinyl Chloride	2.202	62	58694	91.106	ug/l	95
5) Bromomethane	2.592	94	21896	56.423	ug/l	92
6) Chloroethane	2.732	64	35595	95.700	ug/l	98
7) Trichlorofluoromethane	3.049	101	83984	86.225	ug/l	92
8) Diethyl Ether	3.452	74	18512	88.052	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.805	101	38414	88.713	ug/l	98
10) Methyl Iodide	3.994	142	13364	31.487	ug/l	95
11) Tert butyl alcohol	4.854	59	9705	295.658	ug/l #	94
12) 1,1-Dichloroethene	3.787	96	28075	71.364	ug/l	97
14) Allyl chloride	4.372	41	12979	24.814	ug/l #	86
15) Acrylonitrile	5.049	53	26088	303.263	ug/l	100
16) Acetone	3.866	43	47250	644.453	ug/l	87
17) Carbon Disulfide	4.104	76	36280	32.696	ug/l #	91
18) Methyl Acetate	4.378	43	52260	232.246	ug/l	94
19) Methyl tert-butyl Ether	5.116	73	88603	92.897	ug/l	99
20) Methylene Chloride	4.610	84	49768	124.547	ug/l	92
21) trans-1,2-Dichloroethene	5.104	96	18989	43.204	ug/l	95
22) Diisopropyl ether	6.012	45	105264	87.911	ug/l	96
24) 1,1-Dichloroethane	5.903	63	55981	76.449	ug/l	99
25) 2-Butanone	6.884	43	42281	358.082	ug/l	90
26) 2,2-Dichloropropane	6.878	77	26954	45.456	ug/l	98
27) cis-1,2-Dichloroethene	6.884	96	27211	52.608	ug/l	98
28) Bromochloromethane	7.238	49	23432	76.284	ug/l	97
29) Tetrahydrofuran	7.256	42	28955	381.476	ug/l	89
30) Chloroform	7.408	83	55704	68.269	ug/l	100
31) Cyclohexane	7.695	56	39086	70.905	ug/l	97
32) 1,1,1-Trichloroethane	7.610	97	48608	67.787	ug/l	96
36) 1,1-Dichloropropene	7.829	75	23046	53.923	ug/l	98
38) Carbon Tetrachloride	7.811	117	35271	71.212	ug/l	97
39) Methylcyclohexane	9.103	83	33021	60.207	ug/l	90
40) Benzene	8.073	78	90265	68.864	ug/l	97
41) Methacrylonitrile	7.213	41	4905m	47.460	ug/l	
42) 1,2-Dichloroethane	8.152	62	30291	85.577	ug/l	96
43) Isopropyl Acetate	8.195	43	3859	10.077	ug/l #	56

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.859	130	14852	40.608	ug/l	95
45) 1,2-Dichloropropane	9.140	63	22733	77.842	ug/l	99
46) Dibromomethane	9.225	93	12332	65.105	ug/l	98
47) Bromodichloromethane	9.420	83	24537	52.800	ug/l	90
48) Methyl methacrylate	9.219	41	10780	63.165	ug/l	86
49) 1,4-Dioxane	9.225	88	4657	2029.610	ug/l #	94
51) 4-Methyl-2-Pentanone	9.993	43	77853	383.039	ug/l	92
52) Toluene	10.170	92	31361	36.449	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	7998	20.747	ug/l	90
54) cis-1,3-Dichloropropene	9.853	75	11165	24.083	ug/l #	87
55) 1,1,2-Trichloroethane	10.572	97	15115	61.987	ug/l	96
56) Ethyl methacrylate	10.438	69	1243	3.894	ug/l #	71
57) 1,3-Dichloropropane	10.719	76	21641	54.442	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.707	63	5816	38.411	ug/l	93
59) 2-Hexanone	10.761	43	33912	242.858	ug/l	89
60) Dibromochloromethane	10.914	129	14273	42.976	ug/l	98
61) 1,2-Dibromoethane	11.017	107	10331	43.834	ug/l	94
64) Tetrachloroethene	10.646	164	9484	60.286	ug/l #	90
65) Chlorobenzene	11.444	112	16954	40.910	ug/l	89
66) 1,1,1,2-Tetrachloroethane	11.517	131	13854	95.060	ug/l	94
67) Ethyl Benzene	11.517	91	33757	46.930	ug/l	97
68) m/p-Xylenes	11.633	106	21140	74.068	ug/l	95
69) o-Xylene	11.956	106	11437	43.272	ug/l	97
70) Styrene	11.969	104	2867	6.361	ug/l #	37
71) Bromoform	12.133	173	5449	65.405	ug/l #	99
73) Isopropylbenzene	12.255	105	25268	91.272	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	9176	186.178	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	5073m	142.416	ug/l	
77) Bromobenzene	12.529	156	4046	60.855	ug/l	83
78) n-propylbenzene	12.596	91	17481	52.821	ug/l	95
79) 2-Chlorotoluene	12.688	91	9002	48.517	ug/l	95
80) 1,3,5-Trimethylbenzene	12.743	105	12070	53.518	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	414	28.703	ug/l #	76
82) 4-Chlorotoluene	12.779	91	7023	36.382	ug/l	95
83) tert-Butylbenzene	12.999	119	16152	77.552	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	10789	47.999	ug/l	98
85) sec-Butylbenzene	13.182	105	14376	47.366	ug/l	95
86) p-Isopropyltoluene	13.291	119	10254	41.131	ug/l	97
87) 1,3-Dichlorobenzene	13.291	146	3257	24.840	ug/l	92
88) 1,4-Dichlorobenzene	13.371	146	3619	27.766	ug/l	92
89) n-Butylbenzene	13.621	91	5487	24.141	ug/l	97
90) Hexachloroethane	13.883	117	2949	60.015	ug/l	92
91) 1,2-Dichlorobenzene	13.663	146	3714	32.206	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	848	116.958	ug/l	86
93) 1,2,4-Trichlorobenzene	14.919	180	564	8.672	ug/l	94
94) Hexachlorobutadiene	15.029	225	550	16.237	ug/l	72
95) Naphthalene	15.145	128	1141	9.831	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.340	180	546	9.954	ug/l	97

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

