

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091124\
 Data File : VY019502.D
 Acq On : 11 Sep 2024 11:04
 Operator : SY/MD
 Sample : VY0911SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0911SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/12/2024
 Supervised By :Semsettin Yesilyurt 09/12/2024

Quant Time: Sep 12 01:31:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	483057	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	835804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	712616	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	338611	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	252631	56.479	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.960%	
35) Dibromofluoromethane	7.634	113	255224	53.858	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.720%	
50) Toluene-d8	10.109	98	944793	53.902	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.800%	
62) 4-Bromofluorobenzene	12.408	95	342740	50.854	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 101.700%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	74089	26.104	ug/l	98
3) Chloromethane	2.068	50	92143	23.055	ug/l	97
4) Vinyl Chloride	2.202	62	99929	23.123	ug/l	99
5) Bromomethane	2.592	94	70044	26.386	ug/l	98
6) Chloroethane	2.733	64	66684	23.604	ug/l	100
7) Trichlorofluoromethane	3.056	101	162199	22.515	ug/l	97
8) Diethyl Ether	3.452	74	53782	22.241	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.812	101	97470	21.872	ug/l	97
10) Methyl Iodide	4.001	142	118742	20.782	ug/l	94
11) Tert butyl alcohol	4.872	59	39916	110.500	ug/l #	79
12) 1,1-Dichloroethene	3.787	96	90462	21.107	ug/l	87
13) Acrolein	3.647	56	27985	155.508	ug/l	96
14) Allyl chloride	4.379	41	162189	21.103	ug/l #	92
15) Acrylonitrile	5.055	53	117511	112.702	ug/l	99
16) Acetone	3.873	43	123250	115.660	ug/l #	85
17) Carbon Disulfide	4.104	76	227435	19.641	ug/l	97
18) Methyl Acetate	4.385	43	56291	19.465	ug/l	94
19) Methyl tert-butyl Ether	5.116	73	280239	23.087	ug/l	98
20) Methylene Chloride	4.616	84	118035	24.288	ug/l	90
21) trans-1,2-Dichloroethene	5.110	96	99463	21.173	ug/l	89
22) Diisopropyl ether	6.019	45	352341	22.325	ug/l	97
23) Vinyl Acetate	5.958	43	1024439	113.638	ug/l	94
24) 1,1-Dichloroethane	5.915	63	194297	21.939	ug/l	98
25) 2-Butanone	6.890	43	172251	113.653	ug/l #	85
26) 2,2-Dichloropropane	6.884	77	177643	22.237	ug/l	98
27) cis-1,2-Dichloroethene	6.884	96	124976	21.902	ug/l	89
28) Bromochloromethane	7.244	49	76387	20.499	ug/l	86
29) Tetrahydrofuran	7.262	42	101368	110.003	ug/l	87
30) Chloroform	7.421	83	206634	22.855	ug/l	98
31) Cyclohexane	7.701	56	160537	20.054	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	181342	22.378	ug/l	98
36) 1,1-Dichloropropene	7.835	75	135844	21.067	ug/l	96
37) Ethyl Acetate	6.982	43	74379	22.512	ug/l #	95
38) Carbon Tetrachloride	7.817	117	155071	21.326	ug/l	95
39) Methylcyclohexane	9.110	83	174486	20.333	ug/l	92
40) Benzene	8.079	78	420553	21.175	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	44264	22.983	ug/l #	84
42) 1,2-Dichloroethane	8.158	62	119590	22.377	ug/l	97
43) Isopropyl Acetate	8.195	43	150741	21.717	ug/l #	81
44) Trichloroethene	8.866	130	106306	20.812	ug/l	94
45) 1,2-Dichloropropane	9.140	63	103760	21.370	ug/l	99
46) Dibromomethane	9.231	93	58913	22.188	ug/l	95
47) Bromodichloromethane	9.420	83	157797	22.108	ug/l	98
48) Methyl methacrylate	9.219	41	66796	20.378	ug/l	87
49) 1,4-Dioxane	9.231	88	13729	439.218	ug/l #	82
51) 4-Methyl-2-Pentanone	10.000	43	384035	109.973	ug/l	91
52) Toluene	10.170	92	275001	21.529	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	147767	21.718	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	169075	21.341	ug/l #	89
55) 1,1,2-Trichloroethane	10.573	97	79809	21.766	ug/l	96
56) Ethyl methacrylate	10.439	69	121209	21.761	ug/l #	83
57) 1,3-Dichloropropane	10.719	76	138051	21.903	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	282737	109.367	ug/l	97
59) 2-Hexanone	10.762	43	284128	110.981	ug/l	89
60) Dibromochloromethane	10.914	129	107713	22.207	ug/l	100
61) 1,2-Dibromoethane	11.018	107	74284	21.743	ug/l	100
64) Tetrachloroethene	10.646	164	90981	20.617	ug/l	93
65) Chlorobenzene	11.444	112	301561	21.513	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	107814	22.214	ug/l	98
67) Ethyl Benzene	11.518	91	536813	21.553	ug/l	99
68) m/p-Xylenes	11.627	106	409770	43.510	ug/l	94
69) o-Xylene	11.957	106	197504	21.444	ug/l	95
70) Styrene	11.969	104	336349	21.629	ug/l	96
71) Bromoform	12.133	173	60589	21.857	ug/l #	97
73) Isopropylbenzene	12.255	105	525906	21.409	ug/l	100
74) N-amyl acetate	12.072	43	146506	21.929	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.505	83	95606	21.927	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	55658m	17.537	ug/l	
77) Bromobenzene	12.536	156	117334	21.536	ug/l	90
78) n-propylbenzene	12.597	91	626990	21.534	ug/l	99
79) 2-Chlorotoluene	12.682	91	362871	21.385	ug/l	95
80) 1,3,5-Trimethylbenzene	12.737	105	435260	21.795	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	34121	20.639	ug/l	92
82) 4-Chlorotoluene	12.780	91	376098	21.559	ug/l	96
83) tert-Butylbenzene	12.999	119	390857	21.619	ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	430652	21.785	ug/l	96
85) sec-Butylbenzene	13.176	105	570378	21.717	ug/l	100
86) p-Isopropyltoluene	13.292	119	467412	21.752	ug/l	97
87) 1,3-Dichlorobenzene	13.286	146	232301	21.943	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	228373	21.737	ug/l	97
89) n-Butylbenzene	13.615	91	444781	21.652	ug/l	98
90) Hexachloroethane	13.877	117	96637	21.614	ug/l	94
91) 1,2-Dichlorobenzene	13.657	146	203996	21.594	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15565	21.419	ug/l	84
93) 1,2,4-Trichlorobenzene	14.919	180	120657	20.999	ug/l	97
94) Hexachlorobutadiene	15.023	225	64049	20.866	ug/l	98
95) Naphthalene	15.145	128	239614	20.824	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	104126	21.186	ug/l	98

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

