

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092624\
 Data File : VY019707.D
 Acq On : 26 Sep 2024 12:37
 Operator : SY/MD
 Sample : VY0926SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0926SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/27/2024
 Supervised By :Semsettin Yesilyurt 09/27/2024

Quant Time: Sep 27 02:00:25 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	340615	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	590687	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	498600	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	236342	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	164978	52.307	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.620%			
35) Dibromofluoromethane	7.634	113	167861	50.121	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.240%			
50) Toluene-d8	10.103	98	604678	48.814	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.620%			
62) 4-Bromofluorobenzene	12.401	95	219686	46.123	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 92.240%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.866	85	46120	22.523	ug/l	99
3) Chloromethane	2.068	50	58550	20.776	ug/l	99
4) Vinyl Chloride	2.208	62	69601	22.840	ug/l	96
5) Bromomethane	2.592	94	48897	26.123	ug/l	97
6) Chloroethane	2.732	64	48989	24.592	ug/l	98
7) Trichlorofluoromethane	3.055	101	115449	22.728	ug/l	99
8) Diethyl Ether	3.451	74	36373	21.332	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.811	101	69071	21.981	ug/l	97
10) Methyl Iodide	4.000	142	73913	18.346	ug/l	92
11) Tert butyl alcohol	4.860	59	34738	136.381	ug/l #	81
12) 1,1-Dichloroethene	3.787	96	62503	20.683	ug/l	91
13) Acrolein	3.647	56	14510	110.325	ug/l	99
14) Allyl chloride	4.378	41	104607	19.302	ug/l #	93
15) Acrylonitrile	5.055	53	80446	109.419	ug/l	98
16) Acetone	3.866	43	100383	133.595	ug/l #	84
17) Carbon Disulfide	4.104	76	133564	16.358	ug/l	99
18) Methyl Acetate	4.384	43	38715	18.986	ug/l	92
19) Methyl tert-butyl Ether	5.110	73	189121	22.096	ug/l	100
20) Methylene Chloride	4.610	84	80219	23.410	ug/l #	84
21) trans-1,2-Dichloroethene	5.110	96	68076	20.552	ug/l	93
22) Diisopropyl ether	6.012	45	240816	21.639	ug/l	93
23) Vinyl Acetate	5.957	43	686874	108.057	ug/l	96
24) 1,1-Dichloroethane	5.908	63	136537	21.864	ug/l	99
25) 2-Butanone	6.890	43	126883	118.729	ug/l	88
26) 2,2-Dichloropropane	6.878	77	126393	22.438	ug/l	97
27) cis-1,2-Dichloroethene	6.890	96	89369	22.211	ug/l	90
28) Bromochloromethane	7.244	49	53999	20.551	ug/l	85
29) Tetrahydrofuran	7.262	42	68495	105.414	ug/l	88
30) Chloroform	7.420	83	148460	23.288	ug/l	98
31) Cyclohexane	7.701	56	104753	18.558	ug/l	95
32) 1,1,1-Trichloroethane	7.615	97	128288	22.451	ug/l	95
36) 1,1-Dichloropropene	7.835	75	95612	20.981	ug/l	98
37) Ethyl Acetate	6.981	43	50194	21.497	ug/l #	94
38) Carbon Tetrachloride	7.817	117	108807	21.173	ug/l	99
39) Methylcyclohexane	9.109	83	113817	18.767	ug/l	93
40) Benzene	8.079	78	297918	21.225	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	29184	21.441	ug/l #	85
42) 1,2-Dichloroethane	8.158	62	85322	22.590	ug/l	96
43) Isopropyl Acetate	8.195	43	100646	20.517	ug/l	93
44) Trichloroethene	8.865	130	76457	21.180	ug/l	91
45) 1,2-Dichloropropane	9.140	63	74677	21.762	ug/l	95
46) Dibromomethane	9.231	93	41858	22.306	ug/l	96
47) Bromodichloromethane	9.420	83	111679	22.140	ug/l	99
48) Methyl methacrylate	9.219	41	45764	19.755	ug/l	86
49) 1,4-Dioxane	9.231	88	9880	447.245	ug/l #	80
51) 4-Methyl-2-Pentanone	9.999	43	259943	105.327	ug/l	91
52) Toluene	10.170	92	193280	21.411	ug/l	100
53) t-1,3-Dichloropropene	10.395	75	99433	20.679	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	115555	20.638	ug/l #	89
55) 1,1,2-Trichloroethane	10.572	97	59571	22.988	ug/l	97
56) Ethyl methacrylate	10.438	69	79697	20.246	ug/l #	81
57) 1,3-Dichloropropane	10.718	76	98187	22.042	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	186412	102.029	ug/l	98
59) 2-Hexanone	10.761	43	194840	107.686	ug/l	91
60) Dibromochloromethane	10.914	129	74187	21.642	ug/l	99
61) 1,2-Dibromoethane	11.017	107	52084	21.571	ug/l	100
64) Tetrachloroethene	10.645	164	65878	21.336	ug/l	97
65) Chlorobenzene	11.444	112	219324	22.362	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	74275	21.873	ug/l	98
67) Ethyl Benzene	11.517	91	378861	21.740	ug/l	98
68) m/p-Xylenes	11.627	106	287294	43.599	ug/l	93
69) o-Xylene	11.950	106	138419	21.479	ug/l	94
70) Styrene	11.968	104	235125	21.610	ug/l	96
71) Bromoform	12.133	173	41158	21.220	ug/l #	98
73) Isopropylbenzene	12.255	105	375204	21.883	ug/l	99
74) N-amyl acetate	12.072	43	92011	19.732	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.505	83	66966	22.004	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	49057m	22.146	ug/l	
77) Bromobenzene	12.529	156	82739	21.758	ug/l	92
78) n-propylbenzene	12.596	91	448840	22.086	ug/l	100
79) 2-Chlorotoluene	12.675	91	260952	22.033	ug/l	94
80) 1,3,5-Trimethylbenzene	12.736	105	305360	21.907	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	20757	17.988	ug/l #	87
82) 4-Chlorotoluene	12.773	91	266467	21.885	ug/l	97
83) tert-Butylbenzene	12.999	119	285012	22.586	ug/l	97
84) 1,2,4-Trimethylbenzene	13.041	105	299797	21.728	ug/l	99
85) sec-Butylbenzene	13.175	105	405452	22.118	ug/l	100
86) p-Isopropyltoluene	13.291	119	333108	22.210	ug/l	97
87) 1,3-Dichlorobenzene	13.285	146	164074	22.205	ug/l	97
88) 1,4-Dichlorobenzene	13.364	146	162631	22.177	ug/l	97
89) n-Butylbenzene	13.614	91	315756	22.022	ug/l	99
90) Hexachloroethane	13.876	117	65783	21.079	ug/l	92
91) 1,2-Dichlorobenzene	13.657	146	147037	22.299	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	9695	19.115	ug/l	89
93) 1,2,4-Trichlorobenzene	14.919	180	80914	20.176	ug/l	96
94) Hexachlorobutadiene	15.023	225	44679	20.854	ug/l	98
95) Naphthalene	15.138	128	157594	19.623	ug/l	99
96) 1,2,3-Trichlorobenzene	15.327	180	68798	20.056	ug/l	98

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

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