

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092324\
 Data File : VY019660.D
 Acq On : 23 Sep 2024 11:51
 Operator : SY/MD
 Sample : VY0923SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0923SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/24/2024
 Supervised By :Semsettin Yesilyurt 09/24/2024

Quant Time: Sep 24 01:44:01 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	416723	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	709663	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	596345	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	280564	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	202658	52.519	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.040%			
35) Dibromofluoromethane	7.628	113	207848	51.656	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.320%			
50) Toluene-d8	10.109	98	769675	51.717	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.440%			
62) 4-Bromofluorobenzene	12.408	95	276817	48.374	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 96.740%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	58962	23.736	ug/l	95
3) Chloromethane	2.074	50	69365	20.119	ug/l	99
4) Vinyl Chloride	2.208	62	83296	22.342	ug/l	97
5) Bromomethane	2.598	94	58585	25.583	ug/l	93
6) Chloroethane	2.739	64	57532	23.606	ug/l	100
7) Trichlorofluoromethane	3.056	101	143673	23.118	ug/l	95
8) Diethyl Ether	3.452	74	42277	20.266	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.818	101	85059	22.125	ug/l	97
10) Methyl Iodide	4.001	142	92140	18.693	ug/l	93
11) Tert butyl alcohol	4.860	59	32316	103.701	ug/l #	80
12) 1,1-Dichloroethene	3.793	96	75527	20.428	ug/l	93
13) Acrolein	3.653	56	15962	97.667	ug/l	94
14) Allyl chloride	4.379	41	127418	19.218	ug/l #	92
15) Acrylonitrile	5.055	53	89297	99.275	ug/l	98
16) Acetone	3.866	43	93429	101.631	ug/l #	85
17) Carbon Disulfide	4.104	76	174165	17.435	ug/l #	95
18) Methyl Acetate	4.385	43	42236	16.930	ug/l	92
19) Methyl tert-butyl Ether	5.110	73	215828	20.611	ug/l	94
20) Methylene Chloride	4.610	84	86712	20.683	ug/l #	87
21) trans-1,2-Dichloroethene	5.104	96	83476	20.599	ug/l	93
22) Diisopropyl ether	6.012	45	281877	20.703	ug/l	94
23) Vinyl Acetate	5.952	43	785457	100.998	ug/l	94
24) 1,1-Dichloroethane	5.909	63	161969	21.200	ug/l	98
25) 2-Butanone	6.890	43	127392	97.434	ug/l #	85
26) 2,2-Dichloropropane	6.878	77	148236	21.509	ug/l	97
27) cis-1,2-Dichloroethene	6.884	96	104050	21.137	ug/l	88
28) Bromochloromethane	7.244	49	61115	19.012	ug/l	88
29) Tetrahydrofuran	7.262	42	73698	92.706	ug/l	88
30) Chloroform	7.415	83	175441	22.494	ug/l	96
31) Cyclohexane	7.701	56	131737	19.076	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	155055	22.180	ug/l	97
36) 1,1-Dichloropropene	7.835	75	115501	21.096	ug/l	96
37) Ethyl Acetate	6.976	43	56594	20.174	ug/l	96
38) Carbon Tetrachloride	7.817	117	134435	21.774	ug/l	98
39) Methylcyclohexane	9.109	83	145033	19.905	ug/l	91
40) Benzene	8.079	78	354742	21.036	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	31304	19.143	ug/l	89
42) 1,2-Dichloroethane	8.152	62	97968	21.590	ug/l	96
43) Isopropyl Acetate	8.195	43	114613	19.447	ug/l	91
44) Trichloroethene	8.866	130	90793	20.935	ug/l	93
45) 1,2-Dichloropropane	9.140	63	86170	20.902	ug/l	100
46) Dibromomethane	9.231	93	46782	20.751	ug/l	97
47) Bromodichloromethane	9.420	83	132037	21.787	ug/l	95
48) Methyl methacrylate	9.219	41	51071	18.350	ug/l	85
49) 1,4-Dioxane	9.225	88	10165	383.002	ug/l #	82
51) 4-Methyl-2-Pentanone	10.000	43	280273	94.525	ug/l	93
52) Toluene	10.170	92	228109	21.032	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	116391	20.147	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	137013	20.368	ug/l #	92
55) 1,1,2-Trichloroethane	10.573	97	65175	20.934	ug/l	99
56) Ethyl methacrylate	10.438	69	91326	19.310	ug/l #	82
57) 1,3-Dichloropropane	10.719	76	110152	20.583	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	199180	90.740	ug/l	99
59) 2-Hexanone	10.762	43	197360	90.791	ug/l	91
60) Dibromochloromethane	10.914	129	86696	21.051	ug/l	99
61) 1,2-Dibromoethane	11.012	107	59892	20.646	ug/l	100
64) Tetrachloroethene	10.646	164	78685	21.307	ug/l	96
65) Chlorobenzene	11.444	112	255892	21.814	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.518	131	89568	22.053	ug/l	98
67) Ethyl Benzene	11.518	91	455129	21.836	ug/l	100
68) m/p-Xylenes	11.633	106	344974	43.772	ug/l	96
69) o-Xylene	11.957	106	166086	21.548	ug/l	97
70) Styrene	11.969	104	278752	21.421	ug/l	97
71) Bromoform	12.133	173	48246	20.798	ug/l #	97
73) Isopropylbenzene	12.255	105	449685	22.093	ug/l	99
74) N-amyl acetate	12.072	43	102806	18.572	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.505	83	75445	20.883	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	55512m	21.110	ug/l	
77) Bromobenzene	12.536	156	97573	21.615	ug/l	93
78) n-propylbenzene	12.597	91	533703	22.122	ug/l	99
79) 2-Chlorotoluene	12.682	91	305117	21.702	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	366351	22.140	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	25090	18.316	ug/l	91
82) 4-Chlorotoluene	12.780	91	313589	21.695	ug/l	97
83) tert-Butylbenzene	12.999	119	337076	22.502	ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	355883	21.728	ug/l	99
85) sec-Butylbenzene	13.176	105	489850	22.510	ug/l	100
86) p-Isopropyltoluene	13.292	119	400606	22.500	ug/l	97
87) 1,3-Dichlorobenzene	13.286	146	192802	21.980	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	189779	21.800	ug/l	97
89) n-Butylbenzene	13.621	91	380013	22.326	ug/l	99
90) Hexachloroethane	13.883	117	80596	21.755	ug/l	93
91) 1,2-Dichlorobenzene	13.657	146	167318	21.375	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11727	19.477	ug/l	81
93) 1,2,4-Trichlorobenzene	14.919	180	93737	19.689	ug/l	98
94) Hexachlorobutadiene	15.023	225	55241	21.720	ug/l	97
95) Naphthalene	15.145	128	176822	18.547	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	80802	19.842	ug/l	98

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

