

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
 Data File : VY020543.D
 Acq On : 06 Dec 2024 17:50
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Dec 07 03:28:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 01:39:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	180814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	289078	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	245670	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	123034	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	89102	48.454	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.900%
35) Dibromofluoromethane	7.634	113	90129	49.525	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.040%
50) Toluene-d8	10.109	98	326833	47.163	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.320%
62) 4-Bromofluorobenzene	12.408	95	119597	49.345	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	98.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	92312	52.339	ug/l	97
3) Chloromethane	2.068	50	95163	53.289	ug/l	99
4) Vinyl Chloride	2.202	62	99525	54.661	ug/l	98
5) Bromomethane	2.598	94	60736	56.853	ug/l	98
6) Chloroethane	2.739	64	62549	56.050	ug/l	96
7) Trichlorofluoromethane	3.062	101	179509	52.640	ug/l	98
8) Diethyl Ether	3.458	74	57466	59.476	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.818	101	105648	53.171	ug/l	97
10) Methyl Iodide	4.007	142	129270	57.954	ug/l	97
11) Tert butyl alcohol	4.866	59	38816	325.396	ug/l	98
12) 1,1-Dichloroethene	3.787	96	102598	54.661	ug/l	90
13) Acrolein	3.653	56	22712	203.356	ug/l	98
14) Allyl chloride	4.391	41	176973	52.865	ug/l	94
15) Acrylonitrile	5.061	53	119880	297.781	ug/l	99
16) Acetone	3.872	43	129087	282.317	ug/l	98
17) Carbon Disulfide	4.110	76	303850	56.561	ug/l	100
18) Methyl Acetate	4.391	43	59227	60.944	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	276490	57.681	ug/l	97
20) Methylene Chloride	4.622	84	112237	57.703	ug/l	94
21) trans-1,2-Dichloroethene	5.122	96	115610	55.454	ug/l	96
22) Diisopropyl ether	6.031	45	362978	54.526	ug/l	93
23) Vinyl Acetate	5.964	43	999372	283.828	ug/l	97
24) 1,1-Dichloroethane	5.921	63	216341	53.981	ug/l	99
25) 2-Butanone	6.896	43	166731	288.773	ug/l	95
26) 2,2-Dichloropropane	6.890	77	190349	50.216	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	135987	55.862	ug/l	95
28) Bromochloromethane	7.244	49	64724	43.247	ug/l	87
29) Tetrahydrofuran	7.262	42	97516	296.054	ug/l	95
30) Chloroform	7.421	83	222499	54.094	ug/l	97
31) Cyclohexane	7.701	56	178672	49.314	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	204678	51.679	ug/l	97
36) 1,1-Dichloropropene	7.841	75	155572	50.621	ug/l	98
37) Ethyl Acetate	6.988	43	70670	58.043	ug/l	98
38) Carbon Tetrachloride	7.823	117	186377	50.812	ug/l	98
39) Methylcyclohexane	9.109	83	196327	51.481	ug/l	98
40) Benzene	8.079	78	482270	53.224	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	39683	57.333	ug/l	96
42) 1,2-Dichloroethane	8.158	62	126564	53.158	ug/l	99
43) Isopropyl Acetate	8.201	43	137944	56.107	ug/l	95
44) Trichloroethene	8.865	130	119608	53.545	ug/l	100
45) 1,2-Dichloropropane	9.140	63	112223	52.926	ug/l	100
46) Dibromomethane	9.231	93	59585	56.756	ug/l	95
47) Bromodichloromethane	9.426	83	166114	53.704	ug/l	100
48) Methyl methacrylate	9.219	41	66379	57.899	ug/l	94
49) 1,4-Dioxane	9.231	88	13354	1330.733	ug/l	90
51) 4-Methyl-2-Pentanone	9.999	43	356566	293.671	ug/l	96
52) Toluene	10.170	92	303302	53.649	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	153974	55.447	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	180977	55.145	ug/l	93
55) 1,1,2-Trichloroethane	10.573	97	79957	57.093	ug/l	98
56) Ethyl methacrylate	10.438	69	118119	59.609	ug/l	91
57) 1,3-Dichloropropane	10.719	76	139948	55.805	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	268385	289.275	ug/l	95
59) 2-Hexanone	10.761	43	249996	285.412	ug/l	94
60) Dibromochloromethane	10.908	129	109841	56.335	ug/l	99
61) 1,2-Dibromoethane	11.011	107	73317	57.248	ug/l	99
64) Tetrachloroethene	10.646	164	107173	51.629	ug/l	96
65) Chlorobenzene	11.438	112	322680	52.402	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	113876	52.145	ug/l	99
67) Ethyl Benzene	11.517	91	588460	50.983	ug/l	100
68) m/p-Xylenes	11.627	106	439375	103.957	ug/l	100
69) o-Xylene	11.956	106	208258	52.596	ug/l	100
70) Styrene	11.969	104	352021	53.288	ug/l	100
71) Bromoform	12.133	173	62865	56.619	ug/l #	100
73) Isopropylbenzene	12.255	105	560657	47.097	ug/l	99
74) N-amyl acetate	12.072	43	122266	52.403	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	88059	51.439	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	65621m	52.357	ug/l	
77) Bromobenzene	12.529	156	122515	49.697	ug/l	96
78) n-propylbenzene	12.597	91	663818	47.099	ug/l	98
79) 2-Chlorotoluene	12.682	91	377931	47.521	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	457707	47.979	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	31038	50.813	ug/l	93
82) 4-Chlorotoluene	12.779	91	388893	47.917	ug/l	99
83) tert-Butylbenzene	12.999	119	414718	48.084	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	452161	48.765	ug/l	99
85) sec-Butylbenzene	13.176	105	584671	47.302	ug/l	99
86) p-Isopropyltoluene	13.292	119	492697	48.236	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	237854	50.029	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	232056	49.858	ug/l	100
89) n-Butylbenzene	13.621	91	454821	48.010	ug/l	98
90) Hexachloroethane	13.883	117	94876	47.662	ug/l	93
91) 1,2-Dichlorobenzene	13.663	146	207547	51.477	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	14128	54.514	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	127844	56.390	ug/l	100
94) Hexachlorobutadiene	15.023	225	81762	51.551	ug/l	99
95) Naphthalene	15.145	128	221227	60.301	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	107580	58.807	ug/l	100

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

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