

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111724\
 Data File : VY020324.D
 Acq On : 17 Nov 2024 14:25
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY111724

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024
 Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 18 02:24:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111724S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 18 02:20:02 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	258640	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	450429	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	393026	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	184592	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	167421	58.826	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.660%
35) Dibromofluoromethane	7.640	113	152664	48.555	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.120%
50) Toluene-d8	10.109	98	594741	52.423	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.840%
62) 4-Bromofluorobenzene	12.408	95	240114	69.642	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	139.280%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	112963	57.728	ug/l	100
3) Chloromethane	2.068	50	210669	62.554	ug/l	100
4) Vinyl Chloride	2.208	62	212176	57.074	ug/l	99
5) Bromomethane	2.598	94	133657	59.351	ug/l	97
6) Chloroethane	2.739	64	133056	56.978	ug/l	97
7) Trichlorofluoromethane	3.062	101	297237	58.315	ug/l	99
8) Diethyl Ether	3.458	74	95924	76.856	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	168372	67.688	ug/l	97
10) Methyl Iodide	4.007	142	172770	68.199	ug/l	98
11) Tert butyl alcohol	4.885	59	47874	310.569	ug/l	99
12) 1,1-Dichloroethene	3.793	96	169594	69.713	ug/l	92
13) Acrolein	3.659	56	96058	379.378	ug/l	97
14) Allyl chloride	4.391	41	290571	68.122	ug/l	99
15) Acrylonitrile	5.061	53	168619	300.258	ug/l	100
16) Acetone	3.873	43	225707	341.823	ug/l	99
17) Carbon Disulfide	4.110	76	528106	68.875	ug/l	100
18) Methyl Acetate	4.391	43	104081	77.148	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	366011	58.665	ug/l	100
20) Methylene Chloride	4.629	84	159738	58.935	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	149739	54.575	ug/l	96
22) Diisopropyl ether	6.025	45	517611	53.106	ug/l	99
23) Vinyl Acetate	5.964	43	1486488	268.621	ug/l	99
24) 1,1-Dichloroethane	5.921	63	285509	49.566	ug/l	99
25) 2-Butanone	6.896	43	257215	270.940	ug/l	96
26) 2,2-Dichloropropane	6.884	77	241421	50.050	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	188842	55.130	ug/l	100
28) Bromochloromethane	7.250	49	149570	55.946	ug/l	97
29) Tetrahydrofuran	7.268	42	154663	267.350	ug/l	98
30) Chloroform	7.421	83	301981	47.637	ug/l	97
31) Cyclohexane	7.707	56	252519	43.715	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	258089	45.622	ug/l	99
36) 1,1-Dichloropropene	7.841	75	214569	45.202	ug/l	100
37) Ethyl Acetate	6.988	43	106963	48.108	ug/l	98
38) Carbon Tetrachloride	7.823	117	222073	43.438	ug/l	98
39) Methylcyclohexane	9.109	83	266998	43.294	ug/l	98
40) Benzene	8.079	78	646965	48.693	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	49906	39.421	ug/l #	87
42) 1,2-Dichloroethane	8.158	62	180967	50.743	ug/l	100
43) Isopropyl Acetate	8.201	43	212328	54.127	ug/l	96
44) Trichloroethene	8.866	130	150515	45.794	ug/l	98
45) 1,2-Dichloropropane	9.140	63	155740	47.828	ug/l	100
46) Dibromomethane	9.231	93	87668	50.552	ug/l	99
47) Bromodichloromethane	9.426	83	225797	46.397	ug/l	94
48) Methyl methacrylate	9.219	41	102047	51.856	ug/l	100
49) 1,4-Dioxane	9.231	88	19211	1072.558	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	558898	252.183	ug/l	100
52) Toluene	10.170	92	402865	48.731	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	198339	43.294	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	260223	51.286	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	128100	51.866	ug/l	94
56) Ethyl methacrylate	10.438	69	164073	46.474	ug/l	95
57) 1,3-Dichloropropane	10.719	76	198602	45.790	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	367485	255.146	ug/l	99
59) 2-Hexanone	10.762	43	382337	225.586	ug/l	99
60) Dibromochloromethane	10.908	129	162962	53.519	ug/l	98
61) 1,2-Dibromoethane	11.018	107	104072	49.992	ug/l	100
64) Tetrachloroethene	10.646	164	148835	45.397	ug/l	99
65) Chlorobenzene	11.438	112	414963	47.693	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	139230	49.032	ug/l	98
67) Ethyl Benzene	11.518	91	770566	48.063	ug/l	98
68) m/p-Xylenes	11.627	106	567816	97.619	ug/l	99
69) o-Xylene	11.957	106	270548	49.399	ug/l	98
70) Styrene	11.969	104	462621	49.865	ug/l	100
71) Bromoform	12.133	173	92697	62.931	ug/l	97
73) Isopropylbenzene	12.255	105	885261	53.413	ug/l	100
74) N-amyl acetate	12.072	43	249425	60.250	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	141978	52.161	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	105124m	50.167	ug/l	
77) Bromobenzene	12.530	156	173014	51.246	ug/l	97
78) n-propylbenzene	12.597	91	907582	45.324	ug/l	99
79) 2-Chlorotoluene	12.682	91	506649	44.378	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	605565	44.477	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	50677	57.640	ug/l	99
82) 4-Chlorotoluene	12.780	91	533773	45.394	ug/l	99
83) tert-Butylbenzene	12.999	119	523672	42.763	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	582361	44.152	ug/l	100
85) sec-Butylbenzene	13.176	105	775247	44.599	ug/l	100
86) p-Isopropyltoluene	13.292	119	625261	45.372	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	301530	45.379	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	298462	44.992	ug/l	100
89) n-Butylbenzene	13.621	91	626706	42.779	ug/l	99
90) Hexachloroethane	13.883	117	149877	52.238	ug/l	98
91) 1,2-Dichlorobenzene	13.664	146	279348	45.562	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	20118	48.384	ug/l	95
93) 1,2,4-Trichlorobenzene	14.925	180	187389	56.567	ug/l	99
94) Hexachlorobutadiene	15.029	225	105523	59.216	ug/l	99
95) Naphthalene	15.145	128	372246	65.647	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	159500	59.572	ug/l	99

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

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