

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121724\
 Data File : VY020620.D
 Acq On : 17 Dec 2024 17:41
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICSVY121724

Quant Time: Dec 18 05:29:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 18 05:27:13 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 12/18/2024
 Supervised By :Mahesh Dadoda 12/18/2024

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	173629	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	261652	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	229207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	127757	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	79812	41.971	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.940%
35) Dibromofluoromethane	7.634	113	82508	44.743	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.480%
50) Toluene-d8	10.103	98	297999	46.169	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.340%
62) 4-Bromofluorobenzene	12.408	95	108522	42.982	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	85.960%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	103417	47.686	ug/l	96
3) Chloromethane	2.068	50	72696	45.240	ug/l	96
4) Vinyl Chloride	2.202	62	72204	48.277	ug/l	100
5) Bromomethane	2.599	94	46536	48.405	ug/l	95
6) Chloroethane	2.733	64	44843	48.520	ug/l	95
7) Trichlorofluoromethane	3.062	101	147334	47.080	ug/l	100
8) Diethyl Ether	3.458	74	48299	44.007	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	111288	49.613	ug/l	100
10) Methyl Iodide	4.007	142	125272	50.161	ug/l	98
11) Tert butyl alcohol	4.854	59	35896	166.993	ug/l	99
12) 1,1-Dichloroethene	3.787	96	109207	50.176	ug/l	99
13) Acrolein	3.653	56	13043	145.056	ug/l	95
14) Allyl chloride	4.385	41	194403	50.975	ug/l	99
15) Acrylonitrile	5.055	53	111135	211.661	ug/l	99
16) Acetone	3.867	43	128884	343.570	ug/l	95
17) Carbon Disulfide	4.110	76	357372	50.444	ug/l	99
18) Methyl Acetate	4.385	43	56965	44.029	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	254917	45.379	ug/l	98
20) Methylene Chloride	4.616	84	110314	46.658	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	118791	48.656	ug/l	96
22) Diisopropyl ether	6.019	45	373306	48.223	ug/l	96
23) Vinyl Acetate	5.964	43	993429	226.581	ug/l	99
24) 1,1-Dichloroethane	5.915	63	221322	48.802	ug/l	100
25) 2-Butanone	6.897	43	162705	230.232	ug/l	97
26) 2,2-Dichloropropane	6.884	77	199229	46.471	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	135394	48.202	ug/l	100
28) Bromochloromethane	7.244	49	78629	51.402	ug/l	99
29) Tetrahydrofuran	7.262	42	90590	203.060	ug/l	98
30) Chloroform	7.421	83	227671	49.995	ug/l	97
31) Cyclohexane	7.701	56	199127	45.921	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	203477	48.837	ug/l	99
36) 1,1-Dichloropropene	7.835	75	166171	49.418	ug/l	99
37) Ethyl Acetate	6.982	43	67205	42.490	ug/l	99
38) Carbon Tetrachloride	7.817	117	185268	49.800	ug/l	99
39) Methylcyclohexane	9.110	83	214365	48.913	ug/l	98
40) Benzene	8.079	78	486468	49.357	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	39828	47.631	ug/l #	86
42) 1,2-Dichloroethane	8.159	62	122520	46.869	ug/l	99
43) Isopropyl Acetate	8.195	43	130339	43.528	ug/l #	88
44) Trichloroethene	8.866	130	120014	49.555	ug/l	98
45) 1,2-Dichloropropane	9.140	63	112171	48.695	ug/l	98
46) Dibromomethane	9.232	93	56323	46.265	ug/l	99
47) Bromodichloromethane	9.421	83	158529	48.208	ug/l	100
48) Methyl methacrylate	9.219	41	63016	44.268	ug/l	99
49) 1,4-Dioxane	9.232	88	11394	816.119	ug/l	97
51) 4-Methyl-2-Pentanone	10.000	43	331396	209.670	ug/l	100
52) Toluene	10.170	92	300584	49.073	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	146498	47.810	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	178584	49.184	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	73962	45.952	ug/l	99
56) Ethyl methacrylate	10.439	69	108638	46.525	ug/l	98
57) 1,3-Dichloropropane	10.713	76	134515	46.882	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	239347	243.610	ug/l	100
59) 2-Hexanone	10.756	43	240324	236.822	ug/l	100
60) Dibromochloromethane	10.908	129	101431	47.121	ug/l	97
61) 1,2-Dibromoethane	11.018	107	68798	45.952	ug/l	99
64) Tetrachloroethene	10.646	164	106990	49.626	ug/l	94
65) Chlorobenzene	11.438	112	313945	48.986	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	107564	49.083	ug/l	99
67) Ethyl Benzene	11.518	91	588990	49.815	ug/l	99
68) m/p-Xylenes	11.627	106	437108	99.430	ug/l	100
69) o-Xylene	11.957	106	203316	49.568	ug/l	98
70) Styrene	11.969	104	341470	49.827	ug/l	99
71) Bromoform	12.133	173	56002	45.451	ug/l #	100
73) Isopropylbenzene	12.255	105	556414	49.908	ug/l	100
74) N-ethyl acetate	12.072	43	118269	45.328	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	81117	44.824	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	60828m	45.834	ug/l	
77) Bromobenzene	12.536	156	117217	48.267	ug/l	99
78) n-propylbenzene	12.597	91	668577	49.775	ug/l	100
79) 2-Chlorotoluene	12.682	91	375047	49.628	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	452266	49.995	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	28650	45.313	ug/l	99
82) 4-Chlorotoluene	12.780	91	383617	48.929	ug/l	100
83) tert-Butylbenzene	12.999	119	405285	49.469	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	442582	49.877	ug/l	100
85) sec-Butylbenzene	13.176	105	589060	49.451	ug/l	100
86) p-Isopropyltoluene	13.292	119	492898	50.187	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	233241	48.653	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	227374	47.888	ug/l	100
89) n-Butylbenzene	13.621	91	472143	50.725	ug/l	99
90) Hexachloroethane	13.883	117	96035	49.342	ug/l	100
91) 1,2-Dichlorobenzene	13.658	146	200049	48.162	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	12169	41.418	ug/l	97
93) 1,2,4-Trichlorobenzene	14.926	180	124084	49.388	ug/l	99
94) Hexachlorobutadiene	15.029	225	84375	51.372	ug/l	99
95) Naphthalene	15.145	128	199622	46.344	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	103298	48.662	ug/l	100

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

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