

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122624\
 Data File : VY020706.D
 Acq On : 26 Dec 2024 09:31
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Quant Time: Dec 26 16:01:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 26 15:59:15 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/27/2024
 Supervised By :Semsettin Yesilyurt 12/27/2024

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

Internal Standards						
1) Pentafluorobenzene	7.720	168	118156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	168634	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	139342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	68108	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	3955	4.087	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	8.180%#		
35) Dibromofluoromethane	7.646	113	3966	4.270	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	8.540%#		
50) Toluene-d8	10.115	98	12366	4.957	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.920%#		
62) 4-Bromofluorobenzene	12.414	95	5109	4.139	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	8.280%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	4346	4.673	ug/l	85
3) Chloromethane	2.074	50	1604	4.624	ug/l	98
4) Vinyl Chloride	2.214	62	1987	4.624	ug/l	97
5) Bromomethane	2.611	94	1547	4.768	ug/l	81
6) Chloroethane	2.757	64	1195	4.635	ug/l #	81
7) Trichlorofluoromethane	3.074	101	7688	4.652	ug/l	88
8) Diethyl Ether	3.470	74	1765	4.488	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.824	101	4090	4.508	ug/l	93
10) Methyl Iodide	4.019	142	4193	4.226	ug/l	99
11) Tert butyl alcohol	4.885	59	2879m	29.170	ug/l	
12) 1,1-Dichloroethene	3.818	96	3846	4.763	ug/l #	80
13) Acrolein	3.678	56	596	29.459	ug/l	93
14) Allyl chloride	4.403	41	4206	4.451	ug/l	99
15) Acrylonitrile	5.074	53	3397	22.361	ug/l #	89
16) Acetone	3.897	43	2982	24.288	ug/l	95
17) Carbon Disulfide	4.129	76	8806	4.445	ug/l	97
18) Methyl Acetate	4.403	43	1356	4.081	ug/l	99
19) Methyl tert-butyl Ether	5.129	73	10398	4.620	ug/l	97
20) Methylene Chloride	4.641	84	3827m	4.796	ug/l	
21) trans-1,2-Dichloroethene	5.122	96	4008	4.606	ug/l	91
22) Diisopropyl ether	6.031	45	8608	4.481	ug/l #	86
23) Vinyl Acetate	5.982	43	25395	22.132	ug/l	99
24) 1,1-Dichloroethane	5.927	63	6745	4.683	ug/l	93
25) 2-Butanone	6.909	43	4081	24.607	ug/l	94
26) 2,2-Dichloropropane	6.890	77	8915	5.057	ug/l	94
27) cis-1,2-Dichloroethene	6.915	96	4953	4.753	ug/l	95
28) Bromochloromethane	7.268	49	1572	4.127	ug/l #	100
29) Tetrahydrofuran	7.281	42	2337	22.956	ug/l	95
30) Chloroform	7.433	83	9912	5.350	ug/l	93
31) Cyclohexane	7.713	56	7429	5.976	ug/l #	81
32) 1,1,1-Trichloroethane	7.634	97	9621	4.844	ug/l	98
36) 1,1-Dichloropropene	7.848	75	5685	4.633	ug/l	96
37) Ethyl Acetate	7.012	43	1951	4.825	ug/l #	86
38) Carbon Tetrachloride	7.829	117	9371	4.638	ug/l	97
39) Methylcyclohexane	9.122	83	7196	4.576	ug/l	95
40) Benzene	8.098	78	16340	4.595	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	865	4.235	ug/l #	84
42) 1,2-Dichloroethane	8.171	62	5012	4.396	ug/l	99
43) Isopropyl Acetate	8.201	43	3867	4.500	ug/l	99
44) Trichloroethene	8.872	130	4862	4.578	ug/l	98
45) 1,2-Dichloropropane	9.152	63	3462	4.810	ug/l	94
46) Dibromomethane	9.238	93	2330	4.678	ug/l	96
47) Bromodichloromethane	9.433	83	6469	4.581	ug/l	89
48) Methyl methacrylate	9.238	41	1784	4.445	ug/l	92
49) 1,4-Dioxane	9.250	88	342	72.090	ug/l #	80
51) 4-Methyl-2-Pentanone	10.006	43	9383	22.620	ug/l	99
52) Toluene	10.182	92	11031	4.526	ug/l	98
53) t-1,3-Dichloropropene	10.402	75	5357	4.320	ug/l	97
54) cis-1,3-Dichloropropene	9.865	75	6091	4.481	ug/l	92
55) 1,1,2-Trichloroethane	10.579	97	3068	4.826	ug/l #	93
56) Ethyl methacrylate	10.445	69	3250	3.891	ug/l	94
57) 1,3-Dichloropropane	10.725	76	4475	4.337	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.719	63	5665	19.451	ug/l	95
59) 2-Hexanone	10.768	43	5560	20.301	ug/l	95
60) Dibromochloromethane	10.920	129	4656	4.532	ug/l	100
61) 1,2-Dibromoethane	11.024	107	2672	4.467	ug/l	93
64) Tetrachloroethene	10.652	164	4294	4.511	ug/l	92
65) Chlorobenzene	11.451	112	12888	4.724	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.524	131	5080	4.806	ug/l	95
67) Ethyl Benzene	11.524	91	21456	4.499	ug/l	100
68) m/p-Xylenes	11.640	106	16447	9.042	ug/l	99
69) o-Xylene	11.963	106	7691	4.425	ug/l	95
70) Styrene	11.981	104	13353	4.577	ug/l	96
71) Bromoform	12.146	173	2618	4.308	ug/l #	98
73) Isopropylbenzene	12.261	105	21271	4.508	ug/l	97
74) N-amyl acetate	12.078	43	2662	3.970	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.511	83	2932	4.847	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	2559m	5.265	ug/l	
77) Bromobenzene	12.542	156	5187	4.775	ug/l	95
78) n-propylbenzene	12.603	91	23980	4.534	ug/l	99
79) 2-Chlorotoluene	12.688	91	13687	4.540	ug/l	98
80) 1,3,5-Trimethylbenzene	12.743	105	18014	4.582	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.310	75	1030	4.700	ug/l	94
82) 4-Chlorotoluene	12.786	91	14294	4.588	ug/l	97
83) tert-Butylbenzene	13.005	119	16938	4.613	ug/l	99
84) 1,2,4-Trimethylbenzene	13.054	105	17114	4.473	ug/l	97
85) sec-Butylbenzene	13.182	105	22583	4.564	ug/l	97
86) p-Isopropyltoluene	13.298	119	19901	4.513	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	9727	4.582	ug/l	95
88) 1,4-Dichlorobenzene	13.377	146	10161	4.811	ug/l	93
89) n-Butylbenzene	13.627	91	16045	4.359	ug/l	98
90) Hexachloroethane	13.883	117	3991	4.760	ug/l	95
91) 1,2-Dichlorobenzene	13.670	146	8154	4.480	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.291	75	460	3.921	ug/l	86
93) 1,2,4-Trichlorobenzene	14.932	180	4536	3.920	ug/l	95
94) Hexachlorobutadiene	15.035	225	3664	4.345	ug/l	98
95) Naphthalene	15.157	128	6669	3.599	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	3615	3.753	ug/l	99

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

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