

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
 Data File : VY021371.D
 Acq On : 27 Feb 2025 20:15
 Operator : SY/MD
 Sample : Q1421-02MS
 Misc : 5.39g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P001-CLAY-CF01-01MS

Quant Time: Feb 28 00:45:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/28/2025
 Supervised By :Mahesh Dadoda 02/28/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	141028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	230342	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	163009	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	46476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	77228	48.272	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.540%		
35) Dibromofluoromethane	7.634	113	73458	48.643	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.280%		
50) Toluene-d8	10.103	98	246044	42.158	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	84.320%		
62) 4-Bromofluorobenzene	12.408	95	54013	27.499	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	55.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	68934	51.554	ug/l	95
3) Chloromethane	2.068	50	89159	51.631	ug/l	99
4) Vinyl Chloride	2.202	62	93617	55.233	ug/l	99
5) Bromomethane	2.592	94	62142	55.172	ug/l	97
6) Chloroethane	2.733	64	61988	58.976	ug/l	99
7) Trichlorofluoromethane	3.056	101	138348	54.048	ug/l	96
8) Diethyl Ether	3.452	74	40642	52.901	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	73968	49.912	ug/l	100
10) Methyl Iodide	4.001	142	90623	58.124	ug/l	99
11) Tert butyl alcohol	4.860	59	23950	194.625	ug/l #	72
12) 1,1-Dichloroethene	3.787	96	73781	51.995	ug/l	97
13) Acrolein	3.653	56	2745	29.109	ug/l	96
14) Allyl chloride	4.385	41	122112	48.537	ug/l	95
15) Acrylonitrile	5.055	53	78440	230.923	ug/l	99
16) Acetone	3.867	43	66513	216.735	ug/l	97
17) Carbon Disulfide	4.104	76	230205	48.856	ug/l	100
18) Methyl Acetate	4.379	43	48818	65.091	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	199105	53.108	ug/l	98
20) Methylene Chloride	4.610	84	96460	58.126	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	80907	51.793	ug/l	97
22) Diisopropyl ether	6.019	45	281794	54.127	ug/l	96
23) Vinyl Acetate	5.958	43	668166	214.772	ug/l	99
24) 1,1-Dichloroethane	5.915	63	156468	53.324	ug/l	99
25) 2-Butanone	6.890	43	102122	220.488	ug/l	93
26) 2,2-Dichloropropane	6.884	77	129555	48.659	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	93450	52.388	ug/l	98
28) Bromochloromethane	7.238	49	56032	43.156	ug/l	96
29) Tetrahydrofuran	7.262	42	67868	224.174	ug/l	98
30) Chloroform	7.421	83	163043	54.836	ug/l	97
31) Cyclohexane	7.701	56	118183	41.900	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	139641	51.598	ug/l	99
36) 1,1-Dichloropropene	7.835	75	103987	45.842	ug/l	99
37) Ethyl Acetate	6.982	43	47008	41.660	ug/l	98
38) Carbon Tetrachloride	7.817	117	118138	46.325	ug/l	100
39) Methylcyclohexane	9.110	83	101311	35.311	ug/l	99
40) Benzene	8.079	78	332686	49.613	ug/l	99

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41) Methacrylonitrile	7.220	41	25732	40.787	ug/l	93
42) 1,2-Dichloroethane	8.158	62	96084	50.504	ug/l	99
43) Isopropyl Acetate	8.195	43	93462	42.793	ug/l	99
44) Trichloroethene	8.866	130	76806	45.750	ug/l	100
45) 1,2-Dichloropropane	9.140	63	79449	49.233	ug/l	97
46) Dibromomethane	9.231	93	42728	48.439	ug/l	99
47) Bromodichloromethane	9.420	83	116295	49.446	ug/l	98
48) Methyl methacrylate	9.219	41	43122	42.222	ug/l	90
49) 1,4-Dioxane	9.225	88	9051	922.812	ug/l	92
51) 4-Methyl-2-Pentanone	9.993	43	241466	215.981	ug/l	99
52) Toluene	10.170	92	188579	45.270	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	95774	44.446	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	115346	45.342	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	53434	46.500	ug/l	97
56) Ethyl methacrylate	10.439	69	67800	42.701	ug/l	98
57) 1,3-Dichloropropane	10.713	76	93124	46.182	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	79704	104.582	ug/l	99
59) 2-Hexanone	10.762	43	149310	203.352	ug/l	99
60) Dibromochloromethane	10.908	129	71390	45.616	ug/l	99
61) 1,2-Dibromoethane	11.012	107	47952	44.078	ug/l	99
64) Tetrachloroethene	10.646	164	60073	48.757	ug/l	96
65) Chlorobenzene	11.438	112	170954	46.720	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	71113	55.503	ug/l	100
67) Ethyl Benzene	11.518	91	312558	48.224	ug/l	98
68) m/p-Xylenes	11.627	106	220984	90.646	ug/l	99
69) o-Xylene	11.957	106	107446	47.047	ug/l	100
70) Styrene	11.969	104	135726	35.719	ug/l	98
71) Bromoform	12.133	173	35915	48.999	ug/l #	97
73) Isopropylbenzene	12.255	105	257735	73.764	ug/l	99
74) N-amyl acetate	12.072	43	59956	67.510	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	51679	83.806	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	30357m	65.256	ug/l	
77) Bromobenzene	12.530	156	54451	67.001	ug/l	96
78) n-propylbenzene	12.597	91	256487	60.493	ug/l	99
79) 2-Chlorotoluene	12.682	91	144452	59.364	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	163538	57.068	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	15578	74.429	ug/l	91
82) 4-Chlorotoluene	12.780	91	134075	53.154	ug/l	99
83) tert-Butylbenzene	12.999	119	163384	63.117	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	159053	55.807	ug/l	100
85) sec-Butylbenzene	13.176	105	183382	48.499	ug/l	100
86) p-Isopropyltoluene	13.292	119	146520	46.407	ug/l	98
87) 1,3-Dichlorobenzene	13.286	146	68524	42.625	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	67965	42.795	ug/l	99
89) n-Butylbenzene	13.621	91	93701	31.537	ug/l	99
90) Hexachloroethane	13.877	117	35381	53.648	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	60816	43.178	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6608	67.740	ug/l	98
93) 1,2,4-Trichlorobenzene	14.926	180	11950	13.901	ug/l	98
94) Hexachlorobutadiene	15.023	225	9398	17.365	ug/l	99
95) Naphthalene	15.145	128	29080	20.423	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	9705	13.362	ug/l	97

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

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