

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
 Data File : VY021372.D
 Acq On : 27 Feb 2025 20:38
 Operator : SY/MD
 Sample : Q1421-03MSD
 Misc : 4.42g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 29 Sample Multiplier: 1

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

Quant Time: Feb 28 00:45:26 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	155726	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	236506	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	174171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	64665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	88654	50.184	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.360%			
35) Dibromofluoromethane	7.634	113	80618	51.993	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.980%			
50) Toluene-d8	10.103	98	263432	43.961	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 87.920%			
62) 4-Bromofluorobenzene	12.407	95	66185	32.818	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 65.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	64264	43.525	ug/l	98
3) Chloromethane	2.068	50	82478	43.254	ug/l	99
4) Vinyl Chloride	2.202	62	88283	47.170	ug/l	99
5) Bromomethane	2.592	94	57821	46.491	ug/l	95
6) Chloroethane	2.732	64	57802	49.803	ug/l	95
7) Trichlorofluoromethane	3.062	101	133302	47.161	ug/l	98
8) Diethyl Ether	3.458	74	40154	47.332	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	74952	45.802	ug/l	99
10) Methyl Iodide	4.006	142	80916	47.000	ug/l	100
11) Tert butyl alcohol	4.854	59	24461	180.017	ug/l	98
12) 1,1-Dichloroethene	3.793	96	69523	44.370	ug/l	95
13) Acrolein	3.653	56	2552	24.509	ug/l	96
14) Allyl chloride	4.378	41	102978	37.068	ug/l	96
15) Acrylonitrile	5.055	53	83482	222.570	ug/l	99
16) Acetone	3.866	43	79999	236.075	ug/l	100
17) Carbon Disulfide	4.104	76	216951	41.697	ug/l	100
18) Methyl Acetate	4.378	43	39423	47.603	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	193512	46.744	ug/l	99
20) Methylene Chloride	4.616	84	86630	47.275	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	72538	42.053	ug/l	92
22) Diisopropyl ether	6.018	45	254188	44.216	ug/l	98
23) Vinyl Acetate	5.957	43	726562	211.500	ug/l	99
24) 1,1-Dichloroethane	5.915	63	141947	43.809	ug/l	98
25) 2-Butanone	6.896	43	107688	210.560	ug/l	92
26) 2,2-Dichloropropane	6.884	77	118389	40.268	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	81795	41.526	ug/l	98
28) Bromochloromethane	7.244	49	67297	46.940	ug/l	98
29) Tetrahydrofuran	7.262	42	72366	216.471	ug/l	98
30) Chloroform	7.420	83	143563	43.727	ug/l	98
31) Cyclohexane	7.701	56	127921	41.072	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	128975	43.158	ug/l	99
36) 1,1-Dichloropropene	7.835	75	97934	42.048	ug/l	99
37) Ethyl Acetate	6.988	43	51804	44.714	ug/l	99
38) Carbon Tetrachloride	7.817	117	112590	42.999	ug/l	99
39) Methylcyclohexane	9.109	83	133491	45.314	ug/l	99
40) Benzene	8.079	78	291386	42.322	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	21999	33.961	ug/l #	79
42) 1,2-Dichloroethane	8.158	62	90124	46.137	ug/l	100
43) Isopropyl Acetate	8.195	43	100005	44.596	ug/l	99
44) Trichloroethene	8.865	130	70038	40.631	ug/l	99
45) 1,2-Dichloropropane	9.140	63	68886	41.575	ug/l	98
46) Dibromomethane	9.231	93	39524	43.639	ug/l	99
47) Bromodichloromethane	9.420	83	96620	40.010	ug/l	99
48) Methyl methacrylate	9.219	41	42722	40.740	ug/l	96
49) 1,4-Dioxane	9.225	88	9878	980.882	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	241559	210.433	ug/l	99
52) Toluene	10.170	92	164214	38.393	ug/l	99
53) t-1,3-Dichloropropene	10.389	75	79978	36.148	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	97162	37.199	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	48276	40.917	ug/l	99
56) Ethyl methacrylate	10.438	69	62191	38.147	ug/l	97
57) 1,3-Dichloropropane	10.713	76	83031	40.104	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	102289	130.719	ug/l	98
59) 2-Hexanone	10.761	43	144883	192.180	ug/l	98
60) Dibromochloromethane	10.908	129	58948	36.684	ug/l	100
61) 1,2-Dibromoethane	11.011	107	43812	39.222	ug/l	99
64) Tetrachloroethene	10.646	164	59664	45.321	ug/l	99
65) Chlorobenzene	11.438	112	153186	39.181	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	58861	42.996	ug/l	99
67) Ethyl Benzene	11.517	91	290783	41.989	ug/l	100
68) m/p-Xylenes	11.627	106	212408	81.545	ug/l	99
69) o-Xylene	11.956	106	98926	40.540	ug/l	100
70) Styrene	11.968	104	134977	33.245	ug/l	96
71) Bromoform	12.133	173	32368	41.330	ug/l #	100
73) Isopropylbenzene	12.255	105	274960	56.559	ug/l	99
74) N-amyl acetate	12.072	43	62022	50.192	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	47439	55.291	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	35252m	54.463	ug/l	
77) Bromobenzene	12.529	156	53014	46.884	ug/l	98
78) n-propylbenzene	12.596	91	306532	51.961	ug/l	99
79) 2-Chlorotoluene	12.682	91	158014	46.672	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	196679	49.328	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	14046	48.233	ug/l	96
82) 4-Chlorotoluene	12.779	91	152511	43.456	ug/l	98
83) tert-Butylbenzene	12.999	119	197972	54.967	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	187917	47.388	ug/l	99
85) sec-Butylbenzene	13.176	105	276345	52.528	ug/l	100
86) p-Isopropyltoluene	13.291	119	219080	49.871	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	87423	39.084	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	85615	38.745	ug/l	100
89) n-Butylbenzene	13.614	91	180608	43.689	ug/l	99
90) Hexachloroethane	13.877	117	43674	47.596	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	74538	38.035	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6498	47.876	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	25765	21.541	ug/l	99
94) Hexachlorobutadiene	15.023	225	29785	39.554	ug/l	98
95) Naphthalene	15.145	128	51838	26.166	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	21258	21.035	ug/l	99

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

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