

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021657.D
 Acq On : 27 Mar 2025 10:31
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:14:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	225523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	354785	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	311737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	152005	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	25195	10.311	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.620%#		
35) Dibromofluoromethane	7.634	113	22797	9.906	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.820%#		
50) Toluene-d8	10.103	98	88000	10.051	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.100%#		
62) 4-Bromofluorobenzene	12.408	95	29125	9.835	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	19.660%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	26017	11.130	ug/l	99
3) Chloromethane	2.068	50	34949	10.633	ug/l	99
4) Vinyl Chloride	2.202	62	39982	10.756	ug/l	96
5) Bromomethane	2.592	94	27670	10.914	ug/l	97
6) Chloroethane	2.733	64	25703	10.567	ug/l	98
7) Trichlorofluoromethane	3.056	101	50711	10.650	ug/l	100
8) Diethyl Ether	3.452	74	13940	10.765	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	27088	10.786	ug/l	98
10) Methyl Iodide	4.001	142	26193	9.507	ug/l	99
11) Tert butyl alcohol	4.860	59	8671	54.634	ug/l #	87
12) 1,1-Dichloroethene	3.793	96	25446	10.757	ug/l	88
13) Acrolein	3.653	56	15799	54.518	ug/l	100
14) Allyl chloride	4.379	41	39045	10.352	ug/l	97
15) Acrylonitrile	5.055	53	28866	53.389	ug/l	98
16) Acetone	3.867	43	27669	55.329	ug/l	99
17) Carbon Disulfide	4.104	76	82458	10.583	ug/l #	94
18) Methyl Acetate	4.385	43	12911	10.417	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	60205	10.223	ug/l	98
20) Methylene Chloride	4.616	84	31313	9.677	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	27407	10.523	ug/l	96
22) Diisopropyl ether	6.012	45	79874	10.095	ug/l	93
23) Vinyl Acetate	5.958	43	233596	50.469	ug/l	98
24) 1,1-Dichloroethane	5.915	63	49217	10.403	ug/l	98
25) 2-Butanone	6.890	43	37356	52.299	ug/l	97
26) 2,2-Dichloropropane	6.884	77	43412	10.316	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	29699	10.140	ug/l	100
28) Bromochloromethane	7.244	49	21186	10.618	ug/l	99
29) Tetrahydrofuran	7.262	42	25111	54.625	ug/l	97
30) Chloroform	7.421	83	51464	10.459	ug/l	98
31) Cyclohexane	7.701	56	46569	10.798	ug/l #	90
32) 1,1,1-Trichloroethane	7.616	97	45673	10.270	ug/l	98
36) 1,1-Dichloropropene	7.835	75	36121	10.304	ug/l	99
37) Ethyl Acetate	6.988	43	18146	10.969	ug/l	98
38) Carbon Tetrachloride	7.817	117	42141	10.496	ug/l	98
39) Methylcyclohexane	9.103	83	42492	10.147	ug/l	98
40) Benzene	8.079	78	108360	10.322	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	9343m	10.635	ug/l	
42) 1,2-Dichloroethane	8.158	62	31606	10.679	ug/l	100
43) Isopropyl Acetate	8.195	43	33664	10.738	ug/l #	87
44) Trichloroethene	8.866	130	28275	10.571	ug/l	95
45) 1,2-Dichloropropane	9.140	63	25943	10.440	ug/l	99
46) Dibromomethane	9.231	93	15605	10.896	ug/l	94
47) Bromodichloromethane	9.427	83	38737	10.439	ug/l	99
48) Methyl methacrylate	9.219	41	14576	10.130	ug/l	98
49) 1,4-Dioxane	9.231	88	3077	200.565	ug/l	89
51) 4-Methyl-2-Pentanone	10.000	43	85020	52.111	ug/l	98
52) Toluene	10.170	92	66889	10.212	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	33356	10.120	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	39609	10.186	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	20050	10.879	ug/l	95
56) Ethyl methacrylate	10.439	69	21901	9.307	ug/l	96
57) 1,3-Dichloropropane	10.713	76	33316	10.467	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	54271	47.274	ug/l	98
59) 2-Hexanone	10.762	43	54649	50.295	ug/l	100
60) Dibromochloromethane	10.914	129	26032	10.346	ug/l	94
61) 1,2-Dibromoethane	11.018	107	17722	10.251	ug/l	97
64) Tetrachloroethene	10.646	164	31334	11.036	ug/l	93
65) Chlorobenzene	11.444	112	73433	10.276	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	25506	10.060	ug/l	97
67) Ethyl Benzene	11.518	91	119480	9.750	ug/l	98
68) m/p-Xylenes	11.627	106	93887	20.009	ug/l	99
69) o-Xylene	11.957	106	41768	9.643	ug/l	98
70) Styrene	11.969	104	69196	9.581	ug/l	99
71) Bromoform	12.127	173	14887	10.294	ug/l #	98
73) Isopropylbenzene	12.255	105	112512	9.966	ug/l	100
74) N-amyl acetate	12.072	43	26259	9.910	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	21883	10.781	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	17026m	11.300	ug/l	
77) Bromobenzene	12.530	156	27648	10.199	ug/l	98
78) n-propylbenzene	12.597	91	135498	9.983	ug/l	99
79) 2-Chlorotoluene	12.682	91	80079	10.158	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	91235	9.888	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	6899	10.550	ug/l	99
82) 4-Chlorotoluene	12.780	91	83484	10.157	ug/l	100
83) tert-Butylbenzene	12.999	119	81296	9.892	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	90142	9.884	ug/l	100
85) sec-Butylbenzene	13.176	105	121575	10.122	ug/l	99
86) p-Isopropyltoluene	13.292	119	97092	9.781	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	53929	10.098	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	54536	10.336	ug/l	95
89) n-Butylbenzene	13.615	91	89162	9.712	ug/l	98
90) Hexachloroethane	13.877	117	21881	10.059	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	48845	10.506	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3387	10.766	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	23748	9.419	ug/l	99
94) Hexachlorobutadiene	15.023	225	15844	10.063	ug/l	99
95) Naphthalene	15.145	128	36711	8.785	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	20711	9.633	ug/l	99

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

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