

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
 Data File : VY021309.D
 Acq On : 25 Feb 2025 12:40
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:42:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 01:41:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	177514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	289913	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	247837	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	118690	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	12088	6.003	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	12.000%	#	
35) Dibromofluoromethane	7.634	113	10715	5.637	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.280%	#	
50) Toluene-d8	10.103	98	41158	5.603	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	11.200%	#	
62) 4-Bromofluorobenzene	12.408	95	14192	5.741	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	11.480%	#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	9045	5.374	ug/l	99
3) Chloromethane	2.068	50	12591	5.793	ug/l	97
4) Vinyl Chloride	2.202	62	11497	5.389	ug/l	93
5) Bromomethane	2.598	94	8962	6.321	ug/l	99
6) Chloroethane	2.733	64	7351	5.556	ug/l	99
7) Trichlorofluoromethane	3.056	101	17319	5.375	ug/l #	83
8) Diethyl Ether	3.458	74	4897	5.064	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.806	101	9686	5.193	ug/l	96
10) Methyl Iodide	4.001	142	8728	4.447	ug/l	99
11) Tert butyl alcohol	4.848	59	5165	33.345	ug/l #	84
12) 1,1-Dichloroethene	3.787	96	9671	5.415	ug/l	90
13) Acrolein	3.647	56	5798	48.848	ug/l	99
14) Allyl chloride	4.379	41	16498	5.210	ug/l	99
15) Acrylonitrile	5.055	53	10830	25.330	ug/l	98
16) Acetone	3.866	43	10823	28.018	ug/l	99
17) Carbon Disulfide	4.104	76	31953	5.387	ug/l	99
18) Methyl Acetate	4.391	43	5062	5.362	ug/l #	54
19) Methyl tert-butyl Ether	5.110	73	23290	4.935	ug/l	100
20) Methylene Chloride	4.610	84	13003	6.225	ug/l	93
21) trans-1,2-Dichloroethene	5.110	96	10455	5.317	ug/l	98
22) Diisopropyl ether	6.012	45	32640	4.981	ug/l #	86
23) Vinyl Acetate	5.958	43	94244	24.067	ug/l	99
24) 1,1-Dichloroethane	5.915	63	19538	5.290	ug/l	98
25) 2-Butanone	6.890	43	14341	24.599	ug/l #	88
26) 2,2-Dichloropropane	6.884	77	18391	5.488	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	11522	5.132	ug/l	97
28) Bromochloromethane	7.244	49	9318	5.702	ug/l	99
29) Tetrahydrofuran	7.262	42	9319	24.455	ug/l	99
30) Chloroform	7.421	83	20025	5.351	ug/l	98
31) Cyclo						

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	4691m	5.908	ug/l	
42) 1,2-Dichloroethane	8.158	62	12236	5.110	ug/l	99
43) Isopropyl Acetate	8.195	43	12832	4.668	ug/l	99
44) Trichloroethene	8.859	130	10868	5.143	ug/l	100
45) 1,2-Dichloropropane	9.140	63	10426	5.133	ug/l	95
46) Dibromomethane	9.231	93	5557	5.005	ug/l	100
47) Bromodichloromethane	9.420	83	15042	5.081	ug/l	100
48) Methyl methacrylate	9.219	41	5698	4.433	ug/l	95
49) 1,4-Dioxane	9.231	88	1164	94.292	ug/l	94
51) 4-Methyl-2-Pentanone	10.000	43	31910	22.677	ug/l	100
52) Toluene	10.170	92	25715	4.905	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	12697	4.682	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	15685	4.899	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	7259	5.019	ug/l	96
56) Ethyl methacrylate	10.438	69	8528	4.267	ug/l	99
57) 1,3-Dichloropropane	10.713	76	12384	4.880	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	20290	21.153	ug/l	98
59) 2-Hexanone	10.762	43	19312	20.897	ug/l	97
60) Dibromochloromethane	10.914	129	9844	4.998	ug/l	97
61) 1,2-Dibromoethane	11.018	107	6792	4.960	ug/l	98
64) Tetrachloroethene	10.646	164	10042	5.361	ug/l	96
65) Chlorobenzene	11.444	112	29025	5.217	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.518	131	9824	5.043	ug/l	99
67) Ethyl Benzene	11.518	91	48026	4.874	ug/l	97
68) m/p-Xylenes	11.627	106	36446	9.833	ug/l	100
69) o-Xylene	11.956	106	17085	4.920	ug/l	97
70) Styrene	11.969	104	26787	4.637	ug/l	99
71) Bromoform	12.133	173	5478	4.916	ug/l #	99
73) Isopropylbenzene	12.255	105	44434	4.980	ug/l	99
74) N-amyl acetate	12.072	43	9713	4.283	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	8309	5.276	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	6139m	5.136	ug/l	
77) Bromobenzene	12.536	156	10911	5.257	ug/l	99
78) n-propylbenzene	12.597	91	53794	4.968	ug/l	100
79) 2-Chlorotoluene	12.682	91	32529	5.235	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	36696	5.014	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	2493	4.664	ug/l	97
82) 4-Chlorotoluene	12.780	91	34079	5.290	ug/l	99
83) tert-Butylbenzene	12.999	119	32078	4.852	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	35772	4.915	ug/l	100
85) sec-Butylbenzene	13.176	105	48977	5.072	ug/l	100
86) p-Isopropyltoluene	13.292	119	39637	4.916	ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	21510	5.239	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	21663	5.341	ug/l	95
89) n-Butylbenzene	13.621	91	36537	4.815	ug/l	100
90) Hexachloroethane	13.883	117	9013	5.351	ug/l	97
91) 1,2-Dichlorobenzene	13.664	146	18984	5.278	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	1227	4.925	ug/l	97
93) 1,2,4-Trichlorobenzene	14.925	180	10759	4.901	ug/l	98
94) Hexachlorobutadiene	15.029	225	7510	5.434	ug/l	95
95) Naphthalene	15.145	128	14829	4.078	ug/l	97
96) 1,2,3-Trichlorobenzene	15.334	180	8804	4.746	ug/l	99

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

