

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020325\
 Data File : VY021022.D
 Acq On : 03 Feb 2025 11:20
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
 Supervised By :Semsettin Yesilyurt 02/04/2025

Quant Time: Feb 03 12:38:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 12:36:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	183569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	284501	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	244590	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	116948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	35087	22.450	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	44.900%#		
35) Dibromofluoromethane	7.640	113	34279	20.042	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.080%#		
50) Toluene-d8	10.109	98	129662	19.423	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.840%#		
62) 4-Bromofluorobenzene	12.414	95	42182	18.831	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	37.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	30336	19.435	ug/l	99
3) Chloromethane	2.074	50	29923	30.154	ug/l	98
4) Vinyl Chloride	2.208	62	29658	28.986	ug/l	99
5) Bromomethane	2.598	94	18302	26.423	ug/l	90
6) Chloroethane	2.739	64	17634	29.503	ug/l	97
7) Trichlorofluoromethane	3.068	101	55451	22.457	ug/l	98
8) Diethyl Ether	3.458	74	18232	24.733	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.830	101	34675	20.855	ug/l	95
10) Methyl Iodide	4.013	142	38697	20.338	ug/l	99
11) Tert butyl alcohol	4.878	59	12889	112.894	ug/l #	90
12) 1,1-Dichloroethene	3.793	96	32389	20.845	ug/l	90
13) Acrolein	3.659	56	20427	155.371	ug/l	100
14) Allyl chloride	4.391	41	55315	25.859	ug/l	92
15) Acrylonitrile	5.067	53	38612	127.343	ug/l	97
16) Acetone	3.873	43	28518	133.874	ug/l	95
17) Carbon Disulfide	4.116	76	101973	21.308	ug/l	99
18) Methyl Acetate	4.391	43	19673	26.393	ug/l	92
19) Methyl tert-butyl Ether	5.116	73	85748	23.710	ug/l	98
20) Methylene Chloride	4.629	84	34701	22.087	ug/l	94
21) trans-1,2-Dichloroethene	5.122	96	36879	22.137	ug/l	94
22) Diisopropyl ether	6.025	45	120281	27.585	ug/l	94
23) Vinyl Acetate	5.970	43	331355	137.224	ug/l	95
24) 1,1-Dichloroethane	5.927	63	67799	24.102	ug/l	98
25) 2-Butanone	6.902	43	46083	127.520	ug/l	95
26) 2,2-Dichloropropane	6.890	77	61862	22.336	ug/l	97
27) cis-1,2-Dichloroethene	6.896	96	42356	22.120	ug/l	93
28) Bromochloromethane	7.250	49	27966	26.684	ug/l	83
29) Tetrahydrofuran	7.268	42	32271	132.707	ug/l	90
30) Chloroform	7.427	83	69562	22.832	ug/l	98
31) Cyclohexane	7.707	56	59268	21.556	ug/l	94
32) 1,1,1-Trichloroethane	7.622	97	63645	21.585	ug/l	96
36) 1,1-Dichloropropene	7.841	75	50918	20.868	ug/l	96
37) Ethyl Acetate	6.988	43	23724	26.080	ug/l #	96
38) Carbon Tetrachloride	7.823	117	59433	19.683	ug/l	96
39) Methylcyclohexane	9.116	83	61029	18.619	ug/l	92
40) Benzene	8.085	78	150967	21.027	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.250	41	15142m	30.084	ug/l	
42) 1,2-Dichloroethane	8.164	62	41726	22.916	ug/l	98
43) Isopropyl Acetate	8.201	43	45505	25.040	ug/l	97
44) Trichloroethene	8.872	130	38841	19.606	ug/l	100
45) 1,2-Dichloropropane	9.146	63	36268	22.538	ug/l	99
46) Dibromomethane	9.237	93	20417	21.802	ug/l	93
47) Bromodichloromethane	9.426	83	53424	21.723	ug/l	97
48) Methyl methacrylate	9.225	41	19957	23.066	ug/l	91
49) 1,4-Dioxane	9.237	88	3939	395.839	ug/l #	90
51) 4-Methyl-2-Pentanone	10.006	43	114844	122.983	ug/l	94
52) Toluene	10.176	92	95614	20.517	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	47690	21.429	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	57105	21.469	ug/l #	89
55) 1,1,2-Trichloroethane	10.579	97	26314	21.129	ug/l	98
56) Ethyl methacrylate	10.445	69	34126	20.963	ug/l #	86
57) 1,3-Dichloropropane	10.725	76	45784	21.690	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	83057	120.208	ug/l	95
59) 2-Hexanone	10.768	43	72555	119.535	ug/l	92
60) Dibromochloromethane	10.914	129	36853	20.754	ug/l	99
61) 1,2-Dibromoethane	11.018	107	24505	20.600	ug/l	97
64) Tetrachloroethene	10.652	164	34418	18.655	ug/l	97
65) Chlorobenzene	11.444	112	103141	20.015	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.524	131	36817	20.130	ug/l	99
67) Ethyl Benzene	11.524	91	182430	20.446	ug/l	99
68) m/p-Xylenes	11.633	106	138826	40.497	ug/l	97
69) o-Xylene	11.963	106	64616	20.276	ug/l	98
70) Styrene	11.975	104	108143	20.439	ug/l	99
71) Bromoform	12.139	173	21254	19.718	ug/l #	100
73) Isopropylbenzene	12.261	105	171836	20.921	ug/l	100
74) N-amyl acetate	12.078	43	37235	24.896	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.511	83	29712	22.410	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	21952m	23.712	ug/l	
77) Bromobenzene	12.536	156	40491	20.793	ug/l	95
78) n-propylbenzene	12.603	91	206279	21.429	ug/l	98
79) 2-Chlorotoluene	12.688	91	118673	21.638	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	142319	21.150	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	9872	22.135	ug/l	93
82) 4-Chlorotoluene	12.786	91	121872	21.712	ug/l	100
83) tert-Butylbenzene	13.005	119	128881	20.651	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	139446	21.214	ug/l	99
85) sec-Butylbenzene	13.182	105	185044	20.943	ug/l	99
86) p-Isopropyltoluene	13.298	119	154555	20.815	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	77631	20.446	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	76342	20.248	ug/l	97
89) n-Butylbenzene	13.627	91	138532	20.829	ug/l	98
90) Hexachloroethane	13.889	117	31796	21.166	ug/l	93
91) 1,2-Dichlorobenzene	13.663	146	67363	20.344	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	4160	20.380	ug/l	88
93) 1,2,4-Trichlorobenzene	14.932	180	34770	17.150	ug/l	98
94) Hexachlorobutadiene	15.029	225	24481	17.435	ug/l	97
95) Naphthalene	15.151	128	55021	16.886	ug/l	100
96) 1,2,3-Trichlorobenzene	15.340	180	29301	17.090	ug/l	98

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

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