

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012425\
 Data File : VY020931.D
 Acq On : 24 Jan 2025 15:36
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Quant Time: Jan 25 00:48:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 25 00:43:14 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/27/2025
 Supervised By :Mahesh Dadoda 01/27/2025

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	289978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	430487	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	365613	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	179543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	47430	20.515	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	41.020%#		
35) Dibromofluoromethane	7.646	113	49373	19.978	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	39.960%#		
50) Toluene-d8	10.115	98	193034	20.137	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	40.280%#		
62) 4-Bromofluorobenzene	12.414	95	67079	21.026	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	42.060%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	45047	20.539	ug/l	99
3) Chloromethane	2.074	50	32792	20.102	ug/l	98
4) Vinyl Chloride	2.214	62	35978	20.236	ug/l	99
5) Bromomethane	2.605	94	23600	19.598	ug/l	89
6) Chloroethane	2.745	64	21272	20.394	ug/l	90
7) Trichlorofluoromethane	3.068	101	77595	20.542	ug/l	96
8) Diethyl Ether	3.464	74	24845	21.400	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.830	101	50091	20.097	ug/l	99
10) Methyl Iodide	4.013	142	55213	18.588	ug/l	99
11) Tert butyl alcohol	4.879	59	22549	126.340	ug/l #	94
12) 1,1-Dichloroethene	3.799	96	47840	20.324	ug/l	94
13) Acrolein	3.665	56	27526	113.764	ug/l	94
14) Allyl chloride	4.397	41	66350	20.196	ug/l	99
15) Acrylonitrile	5.074	53	51695	113.277	ug/l	99
16) Acetone	3.885	43	34755	110.950	ug/l	94
17) Carbon Disulfide	4.116	76	147791	20.331	ug/l	100
18) Methyl Acetate	4.397	43	24374	21.539	ug/l	98
19) Methyl tert-butyl Ether	5.128	73	117954	21.635	ug/l	100
20) Methylene Chloride	4.629	84	47904	20.562	ug/l	96
21) trans-1,2-Dichloroethene	5.128	96	51418	20.260	ug/l	96
22) Diisopropyl ether	6.031	45	139203	21.065	ug/l	95
23) Vinyl Acetate	5.976	43	406636	111.184	ug/l	99
24) 1,1-Dichloroethane	5.933	63	86019	20.535	ug/l	100
25) 2-Butanone	6.909	43	60455	113.931	ug/l	93
26) 2,2-Dichloropropane	6.896	77	83767	20.302	ug/l	97
27) cis-1,2-Dichloroethene	6.903	96	58008	20.253	ug/l	99
28) Bromochloromethane	7.256	49	35777	21.221	ug/l	99
29) Tetrahydrofuran	7.274	42	40402	114.246	ug/l	97
30) Chloroform	7.433	83	91212	20.573	ug/l	98
31) Cyclohexane	7.713	56	82836	20.120	ug/l	95
32) 1,1,1-Trichloroethane	7.628	97	87395	20.322	ug/l	99
36) 1,1-Dichloropropene	7.848	75	69611	20.174	ug/l	99
37) Ethyl Acetate	6.994	43	30824	23.025	ug/l	99
38) Carbon Tetrachloride	7.829	117	83916	20.167	ug/l	97
39) Methylcyclohexane	9.116	83	93850	20.091	ug/l	99
40) Benzene	8.091	78	206141	20.364	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	16615	23.494	ug/l	95
42) 1,2-Dichloroethane	8.165	62	52811	20.967	ug/l	99
43) Isopropyl Acetate	8.207	43	56326	22.188	ug/l	99
44) Trichloroethene	8.872	130	56209	20.439	ug/l	95
45) 1,2-Dichloropropane	9.152	63	45949	20.564	ug/l	99
46) Dibromomethane	9.238	93	26732	21.044	ug/l	98
47) Bromodichloromethane	9.433	83	68617	20.301	ug/l	96
48) Methyl methacrylate	9.231	41	26554	22.174	ug/l	99
49) 1,4-Dioxane	9.244	88	5828	445.582	ug/l #	88
51) 4-Methyl-2-Pentanone	10.006	43	146557	114.497	ug/l	99
52) Toluene	10.176	92	133243	20.466	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	65647	21.182	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	76874	20.774	ug/l	97
55) 1,1,2-Trichloroethane	10.579	97	37345	21.749	ug/l	97
56) Ethyl methacrylate	10.445	69	50068	22.249	ug/l	97
57) 1,3-Dichloropropane	10.725	76	62652	21.478	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	112684	110.326	ug/l	100
59) 2-Hexanone	10.768	43	94718	115.076	ug/l	100
60) Dibromochloromethane	10.920	129	51025	21.114	ug/l	100
61) 1,2-Dibromoethane	11.024	107	34995	21.308	ug/l	99
64) Tetrachloroethene	10.652	164	50827	19.976	ug/l	95
65) Chlorobenzene	11.451	112	144883	20.264	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.524	131	52308	20.589	ug/l	99
67) Ethyl Benzene	11.524	91	251776	20.181	ug/l	99
68) m/p-Xylenes	11.633	106	194981	40.816	ug/l	100
69) o-Xylene	11.963	106	90565	20.296	ug/l	99
70) Styrene	11.975	104	150141	20.531	ug/l	99
71) Bromoform	12.139	173	31153	21.654	ug/l #	100
73) Isopropylbenzene	12.261	105	245822	19.880	ug/l	100
74) N-amyl acetate	12.078	43	47608	21.636	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	41442	21.540	ug/l	100
76) 1,2,3-Trichloropropane	12.566	75	25306m	19.935	ug/l	
77) Bromobenzene	12.542	156	57368	19.792	ug/l	99
78) n-propylbenzene	12.603	91	284362	19.742	ug/l	100
79) 2-Chlorotoluene	12.688	91	161030	19.711	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	199670	20.096	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	13970	21.261	ug/l	96
82) 4-Chlorotoluene	12.786	91	169283	20.292	ug/l	99
83) tert-Butylbenzene	13.005	119	182524	19.916	ug/l	99
84) 1,2,4-Trimethylbenzene	13.054	105	197286	20.169	ug/l	98
85) sec-Butylbenzene	13.182	105	261437	20.008	ug/l	100
86) p-Isopropyltoluene	13.298	119	222126	20.122	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	111608	20.108	ug/l	98
88) 1,4-Dichlorobenzene	13.377	146	109409	20.066	ug/l	98
89) n-Butylbenzene	13.627	91	193984	19.922	ug/l	99
90) Hexachloroethane	13.889	117	41758	19.042	ug/l	98
91) 1,2-Dichlorobenzene	13.670	146	96672	20.103	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	6469	22.382	ug/l	94
93) 1,2,4-Trichlorobenzene	14.932	180	56876	19.661	ug/l	98
94) Hexachlorobutadiene	15.035	225	37927	19.162	ug/l	99
95) Naphthalene	15.157	128	93615	20.180	ug/l	100
96) 1,2,3-Trichlorobenzene	15.340	180	48266	19.859	ug/l	98

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

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