

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100923\
 Data File : VY015881.D
 Acq On : 09 Oct 2023 14:45
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/10/2023
 Supervised By :Semsettin Yesilyurt 10/10/2023

Quant Time: Oct 10 07:00:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 10 06:54:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	201853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	331777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	298089	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	151783	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	88894	48.943	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.880%		
35) Dibromofluoromethane	7.722	113	90929	49.135	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.280%		
50) Toluene-d8	10.185	98	302911	49.666	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.340%		
62) 4-Bromofluorobenzene	12.483	95	117461	47.416	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.840%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	42930	53.172	ug/l	95
3) Chloromethane	2.119	50	46854	56.735	ug/l	99
4) Vinyl Chloride	2.253	62	60204	57.159	ug/l	95
5) Bromomethane	2.650	94	47705	55.236	ug/l	95
6) Chloroethane	2.796	64	46082	55.717	ug/l	96
7) Trichlorofluoromethane	3.125	101	118963	53.229	ug/l	99
8) Diethyl Ether	3.534	74	51033	53.974	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.905	101	81181	53.523	ug/l	93
10) Methyl Iodide	4.094	142	80051	52.394	ug/l	96
11) Tert butyl alcohol	4.966	59	87742	208.719	ug/l #	86
12) 1,1-Dichloroethene	3.875	96	64931	55.655	ug/l	92
13) Acrolein	3.735	56	29034	261.546	ug/l	99
14) Allyl chloride	4.485	41	119499	55.554	ug/l	91
15) Acrylonitrile	5.167	53	173159	266.325	ug/l	97
16) Acetone	3.954	43	178577	222.050	ug/l	90
17) Carbon Disulfide	4.198	76	96153	54.856	ug/l	97
18) Methyl Acetate	4.485	43	139206	56.536	ug/l	94
19) Methyl tert-butyl Ether	5.228	73	282365	53.409	ug/l	99
20) Methylene Chloride	4.722	84	99520	53.358	ug/l	91
21) trans-1,2-Dichloroethene	5.228	96	75989	56.131	ug/l	95
22) Diisopropyl ether	6.125	45	308269	53.579	ug/l	93
23) Vinyl Acetate	6.064	43	861053	272.162	ug/l #	95
24) 1,1-Dichloroethane	6.027	63	168639	53.210	ug/l	96
25) 2-Butanone	6.990	43	252479	253.408	ug/l	96
26) 2,2-Dichloropropane	6.990	77	152056	51.590	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	107233	53.668	ug/l	94
28) Bromochloromethane	7.338	49	89537	49.019	ug/l	93
29) Tetrahydrofuran	7.356	42	148721	272.858	ug/l	92
30) Chloroform	7.515	83	185013	52.337	ug/l	97
31) Cyclohexane	7.789	56	99244	51.019	ug/l	93
32) 1,1,1-Trichloroethane	7.710	97	153037	53.010	ug/l	98
36) 1,1-Dichloropropene	7.923	75	112873	55.072	ug/l	100
37) Ethyl Acetate	7.082	43	94995	53.968	ug/l #	95
38) Carbon Tetrachloride	7.905	117	130719	53.108	ug/l	97
39) Methylcyclohexane	9.191	83	116157	55.795	ug/l	93
40) Benzene	8.167	78	350188	54.369	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	58266m	53.205	ug/l	
42) 1,2-Dichloroethane	8.240	62	118687	54.057	ug/l	93
43) Isopropyl Acetate	8.277	43	175712	53.928	ug/l	94
44) Trichloroethene	8.947	130	101332	54.368	ug/l	100
45) 1,2-Dichloropropane	9.222	63	102192	52.748	ug/l	96
46) Dibromomethane	9.307	93	62087	53.853	ug/l	97
47) Bromodichloromethane	9.502	83	151109	52.700	ug/l	98
48) Methyl methacrylate	9.295	41	80914	56.232	ug/l	88
49) 1,4-Dioxane	9.301	88	21949	1095.186	ug/l #	62
51) 4-Methyl-2-Pentanone	10.075	43	525613	269.628	ug/l	91
52) Toluene	10.246	92	229430	53.662	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	155448	53.626	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	169709	53.897	ug/l #	88
55) 1,1,2-Trichloroethane	10.648	97	96832	52.748	ug/l	98
56) Ethyl methacrylate	10.514	69	137061	54.995	ug/l #	86
57) 1,3-Dichloropropane	10.794	76	157578	53.241	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	387160	254.868	ug/l	94
59) 2-Hexanone	10.837	43	387695	262.876	ug/l	89
60) Dibromochloromethane	10.989	129	115821	52.628	ug/l	100
61) 1,2-Dibromoethane	11.093	107	90089	53.732	ug/l	98
64) Tetrachloroethene	10.721	164	102205	52.538	ug/l	98
65) Chlorobenzene	11.520	112	270744	52.071	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	110935	52.200	ug/l	98
67) Ethyl Benzene	11.593	91	471785	52.890	ug/l	100
68) m/p-Xylenes	11.703	106	356195	105.972	ug/l	96
69) o-Xylene	12.032	106	180251	53.598	ug/l	97
70) Styrene	12.044	104	316880	54.005	ug/l	96
71) Bromoform	12.209	173	78279	52.895	ug/l #	100
73) Isopropylbenzene	12.331	105	490535	51.233	ug/l	100
74) N-amyl acetate	12.148	43	161590	53.553	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.587	83	126208	50.835	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	84715m	49.278	ug/l	
77) Bromobenzene	12.611	156	119708	50.989	ug/l	98
78) n-propylbenzene	12.672	91	592623	51.469	ug/l	100
79) 2-Chlorotoluene	12.757	91	338887	51.669	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	409001	51.829	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	42749	53.500	ug/l	91
82) 4-Chlorotoluene	12.855	91	347482	50.839	ug/l	99
83) tert-Butylbenzene	13.074	119	384625	52.226	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	412421	51.898	ug/l	98
85) sec-Butylbenzene	13.257	105	558402	51.701	ug/l	100
86) p-Isopropyltoluene	13.373	119	466829	52.249	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	238915	50.546	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	240862	50.602	ug/l	99
89) n-Butylbenzene	13.696	91	440083	52.050	ug/l	96
90) Hexachloroethane	13.965	117	91716	51.150	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	224687	51.140	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	22821	52.342	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	144910	51.463	ug/l	99
94) Hexachlorobutadiene	15.111	225	76444	50.698	ug/l	98
95) Naphthalene	15.239	128	343292	52.701	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	128542	51.319	ug/l	99

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

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