

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014788.D
 Acq On : 25 Jul 2023 09:20
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/26/2023
 Supervised By :Semsettin Yesilyurt 07/27/2023

Quant Time: Jul 25 14:12:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	230786	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	390970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	344959	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	171299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	129975	49.422	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.840%		
35) Dibromofluoromethane	7.710	113	121327	48.749	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.500%		
50) Toluene-d8	10.179	98	430213	46.886	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.780%		
62) 4-Bromofluorobenzene	12.483	95	157398	44.737	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	89.480%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	76135	40.492	ug/l	99
3) Chloromethane	2.107	50	120598	57.059	ug/l	98
4) Vinyl Chloride	2.247	62	135981	57.567	ug/l	98
5) Bromomethane	2.644	94	83591	53.549	ug/l	97
6) Chloroethane	2.784	64	88483	59.968	ug/l	97
7) Trichlorofluoromethane	3.119	101	195372	49.247	ug/l	99
8) Diethyl Ether	3.522	74	76933	52.120	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.887	101	115152	47.356	ug/l	95
10) Methyl Iodide	4.082	142	134409	52.041	ug/l	96
11) Tert butyl alcohol	4.966	59	135694	249.988	ug/l #	84
12) 1,1-Dichloroethene	3.863	96	109978	48.392	ug/l	94
13) Acrolein	3.729	56	56211	204.496	ug/l	99
14) Allyl chloride	4.473	41	190520	47.214	ug/l	96
15) Acrylonitrile	5.155	53	243990	299.754	ug/l	98
16) Acetone	3.948	43	233342	279.994	ug/l	94
17) Carbon Disulfide	4.186	76	290602	44.663	ug/l	98
18) Methyl Acetate	4.473	43	194206	60.725	ug/l	93
19) Methyl tert-butyl Ether	5.216	73	401045	54.324	ug/l	100
20) Methylene Chloride	4.710	84	146636	54.547	ug/l	92
21) trans-1,2-Dichloroethene	5.210	96	128695	49.899	ug/l	97
22) Diisopropyl ether	6.113	45	418770	51.045	ug/l	93
23) Vinyl Acetate	6.058	43	1311357	267.106	ug/l #	95
24) 1,1-Dichloroethane	6.009	63	239840	51.093	ug/l	98
25) 2-Butanone	6.984	43	356865	292.697	ug/l	96
26) 2,2-Dichloropropane	6.978	77	225551	50.416	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	156181	52.025	ug/l	96
28) Bromochloromethane	7.332	49	97986	48.467	ug/l	94
29) Tetrahydrofuran	7.344	42	225978	301.004	ug/l	92
30) Chloroform	7.503	83	251701	51.997	ug/l	93
31) Cyclohexane	7.777	56	182727	41.856	ug/l	94
32) 1,1,1-Trichloroethane	7.698	97	222038	50.965	ug/l	98
36) 1,1-Dichloropropene	7.911	75	179765	48.298	ug/l	99
37) Ethyl Acetate	7.070	43	147196	57.441	ug/l #	96
38) Carbon Tetrachloride	7.899	117	195085	49.584	ug/l	99
39) Methylcyclohexane	9.179	83	210651	43.442	ug/l	94
40) Benzene	8.155	78	527428	49.826	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	68631	52.069	ug/l	96
42) 1,2-Dichloroethane	8.234	62	175363	52.314	ug/l	94
43) Isopropyl Acetate	8.271	43	268182	54.939	ug/l	97
44) Trichloroethene	8.935	130	147687	49.866	ug/l	99
45) 1,2-Dichloropropane	9.216	63	137546	49.762	ug/l	99
46) Dibromomethane	9.301	93	88695	52.894	ug/l	95
47) Bromodichloromethane	9.496	83	203652	51.530	ug/l	97
48) Methyl methacrylate	9.289	41	118660	54.022	ug/l	93
49) 1,4-Dioxane	9.301	88	31841	1164.530	ug/l #	48
51) 4-Methyl-2-Pentanone	10.069	43	760095	296.568	ug/l	94
52) Toluene	10.240	92	336119	49.622	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	218559	50.557	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	233826	49.738	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	125346	53.663	ug/l	99
56) Ethyl methacrylate	10.508	69	188796	52.938	ug/l	92
57) 1,3-Dichloropropane	10.789	76	211035	52.382	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	421759	253.809	ug/l	94
59) 2-Hexanone	10.831	43	554487	296.666	ug/l	92
60) Dibromochloromethane	10.984	129	151526	52.910	ug/l	100
61) 1,2-Dibromoethane	11.087	107	122773	52.688	ug/l	100
64) Tetrachloroethene	10.721	164	145523	52.452	ug/l	95
65) Chlorobenzene	11.514	112	368959	50.192	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	144396	52.098	ug/l	98
67) Ethyl Benzene	11.593	91	661805	49.864	ug/l	97
68) m/p-Xylenes	11.703	106	505691	99.814	ug/l	96
69) o-Xylene	12.026	106	249424	50.545	ug/l	97
70) Styrene	12.044	104	424238	51.008	ug/l	97
71) Bromoform	12.209	173	104300	55.517	ug/l #	98
73) Isopropylbenzene	12.331	105	654512	48.798	ug/l	100
74) N-amyl acetate	12.142	43	232384	51.731	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	163210	53.359	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	127536m	58.950	ug/l	
77) Bromobenzene	12.611	156	154901	50.593	ug/l	96
78) n-propylbenzene	12.672	91	777404	48.099	ug/l	99
79) 2-Chlorotoluene	12.758	91	444234	47.719	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	547077	48.839	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	57593	51.543	ug/l	96
82) 4-Chlorotoluene	12.855	91	459705	47.948	ug/l	100
83) tert-Butylbenzene	13.075	119	478305	48.136	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	536578	48.811	ug/l	99
85) sec-Butylbenzene	13.251	105	710831	48.766	ug/l	100
86) p-Isopropyltoluene	13.367	119	591868	49.732	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	302081	50.695	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	301142	50.432	ug/l	99
89) n-Butylbenzene	13.697	91	549665	47.472	ug/l	97
90) Hexachloroethane	13.959	117	119135	48.736	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	278068	50.933	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	32324	55.260	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	173342	50.018	ug/l	96
94) Hexachlorobutadiene	15.111	225	91104	47.837	ug/l	98
95) Naphthalene	15.233	128	445379	55.162	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	159406	51.755	ug/l	99

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

