

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122623\
 Data File : VY016863.D
 Acq On : 26 Dec 2023 19:12
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/29/2023
 Supervised By :Semsettin Yesilyurt 12/29/2023

Quant Time: Dec 27 01:38:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	119422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	213750	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	190725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	85622	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	70150	64.346	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.700%			
35) Dibromofluoromethane	7.734	113	70914	57.917	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.840%			
50) Toluene-d8	10.191	98	252777	57.269	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 114.540%			
62) 4-Bromofluorobenzene	12.489	95	85562	59.750	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 119.500%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	48827	47.843	ug/l	94
3) Chloromethane	2.119	50	90405	57.629	ug/l	97
4) Vinyl Chloride	2.259	62	102883	58.062	ug/l	98
5) Bromomethane	2.662	94	75146	59.543	ug/l	98
6) Chloroethane	2.802	64	70734	58.912	ug/l	97
7) Trichlorofluoromethane	3.137	101	112818	54.655	ug/l	99
8) Diethyl Ether	3.540	74	40347	61.102	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.912	101	69028	54.515	ug/l	97
10) Methyl Iodide	4.101	142	67989	51.528	ug/l	99
11) Tert butyl alcohol	4.960	59	30725	343.733	ug/l	99
12) 1,1-Dichloroethene	3.887	96	63309	56.154	ug/l	97
13) Acrolein	3.735	56	17327	251.235	ug/l	100
14) Allyl chloride	4.491	41	108236	62.680	ug/l	99
15) Acrylonitrile	5.180	53	99320	355.175	ug/l	99
16) Acetone	3.960	43	89241	302.716	ug/l	99
17) Carbon Disulfide	4.210	76	178454	58.174	ug/l	100
18) Methyl Acetate	4.491	43	95505	82.898	ug/l	99
19) Methyl tert-butyl Ether	5.241	73	186178	64.180	ug/l	97
20) Methylene Chloride	4.735	84	87290	60.375	ug/l	97
21) trans-1,2-Dichloroethene	5.234	96	77862	60.555	ug/l	98
22) Diisopropyl ether	6.137	45	258404	66.144	ug/l	96
23) Vinyl Acetate	6.076	43	587636	318.037	ug/l	100
24) 1,1-Dichloroethane	6.033	63	147083	62.674	ug/l	97
25) 2-Butanone	7.002	43	133840	329.747	ug/l	97
26) 2,2-Dichloropropane	6.996	77	114030	55.680	ug/l	100
27) cis-1,2-Dichloroethene	7.002	96	91881	62.089	ug/l	98
28) Bromochloromethane	7.350	49	64618	69.568	ug/l	96
29) Tetrahydrofuran	7.362	42	84686	381.575	ug/l	97
30) Chloroform	7.521	83	151696	63.142	ug/l	100
31) Cyclohexane	7.801	56	112085	53.661	ug/l	98
32) 1,1,1-Trichloroethane	7.716	97	121519	57.624	ug/l	99
36) 1,1-Dichloropropene	7.929	75	107914	54.976	ug/l	100
37) Ethyl Acetate	7.088	43	56742	67.441	ug/l	99
38) Carbon Tetrachloride	7.917	117	103636	53.355	ug/l	99
39) Methylcyclohexane	9.197	83	120915	53.353	ug/l	99
40) Benzene	8.173	78	336026	58.826	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	27575	61.729	ug/l #	89
42) 1,2-Dichloroethane	8.252	62	92258	61.907	ug/l	99
43) Isopropyl Acetate	8.289	43	105670	64.666	ug/l	99
44) Trichloroethene	8.953	130	80787	55.412	ug/l	97
45) 1,2-Dichloropropane	9.228	63	86080	60.075	ug/l	98
46) Dibromomethane	9.319	93	45941	62.063	ug/l	98
47) Bromodichloromethane	9.508	83	118506	60.741	ug/l	96
48) Methyl methacrylate	9.301	41	59247	65.237	ug/l	96
49) 1,4-Dioxane	9.313	88	10511	1462.989	ug/l	95
51) 4-Methyl-2-Pentanone	10.081	43	303195	348.234	ug/l	100
52) Toluene	10.258	92	201910	58.984	ug/l	98
53) t-1,3-Dichloropropene	10.477	75	109508	61.556	ug/l	97
54) cis-1,3-Dichloropropene	9.941	75	129384	60.295	ug/l	97
55) 1,1,2-Trichloroethane	10.654	97	65729	62.236	ug/l	98
56) Ethyl methacrylate	10.520	69	62141	66.912	ug/l	98
57) 1,3-Dichloropropane	10.801	76	112043	62.459	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	160291	320.842	ug/l	98
59) 2-Hexanone	10.843	43	206513	318.095	ug/l	99
60) Dibromochloromethane	10.996	129	75472	61.774	ug/l	99
61) 1,2-Dibromoethane	11.099	107	59733	63.067	ug/l	99
64) Tetrachloroethene	10.733	164	68046	57.434	ug/l	98
65) Chlorobenzene	11.526	112	213325	56.929	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.599	131	79529	56.408	ug/l	99
67) Ethyl Benzene	11.605	91	387938	56.246	ug/l	99
68) m/p-Xylenes	11.715	106	289227	113.560	ug/l	99
69) o-Xylene	12.038	106	136740	58.522	ug/l	99
70) Styrene	12.056	104	206320	59.673	ug/l	100
71) Bromoform	12.215	173	42433	60.369	ug/l #	98
73) Isopropylbenzene	12.337	105	359830	53.961	ug/l	100
74) N-amyl acetate	12.154	43	84307	60.243	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.593	83	78261	58.730	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	50068m	52.898	ug/l	
77) Bromobenzene	12.617	156	80168	55.108	ug/l	99
78) n-propylbenzene	12.678	91	436866	54.072	ug/l	99
79) 2-Chlorotoluene	12.764	91	245349	54.880	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	292674	55.446	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.386	75	22752	56.451	ug/l	97
82) 4-Chlorotoluene	12.861	91	251844	54.911	ug/l	100
83) tert-Butylbenzene	13.081	119	254371	55.401	ug/l	100
84) 1,2,4-Trimethylbenzene	13.129	105	290897	55.888	ug/l	98
85) sec-Butylbenzene	13.263	105	362298	53.273	ug/l	100
86) p-Isopropyltoluene	13.379	119	301218	53.185	ug/l	100
87) 1,3-Dichlorobenzene	13.373	146	156443	55.028	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	151936	54.731	ug/l	99
89) n-Butylbenzene	13.702	91	291075	53.763	ug/l	100
90) Hexachloroethane	13.971	117	62609	53.089	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	137941	56.954	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.367	75	10333	59.819	ug/l	98
93) 1,2,4-Trichlorobenzene	15.013	180	66851	52.019	ug/l	100
94) Hexachlorobutadiene	15.117	225	35983	49.296	ug/l	98
95) Naphthalene	15.245	128	138254	49.976	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	59229	54.114	ug/l	99

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

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