

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122023\
 Data File : VY016734.D
 Acq On : 20 Dec 2023 19:40
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY122023

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/21/2023
 Supervised By :Semsettin Yesilyurt 12/21/2023

Quant Time: Dec 21 01:36:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:19:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	161604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	282112	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	242571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	103986	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	76029	51.536	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.080%			
35) Dibromofluoromethane	7.728	113	79258	49.046	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.100%			
50) Toluene-d8	10.185	98	285358	48.984	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.960%			
62) 4-Bromofluorobenzene	12.483	95	93400	49.419	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	56017	40.561	ug/l	98
3) Chloromethane	2.125	50	90823	42.784	ug/l	99
4) Vinyl Chloride	2.260	62	108062	45.067	ug/l	99
5) Bromomethane	2.662	94	77596	45.436	ug/l	97
6) Chloroethane	2.808	64	73469	45.218	ug/l	100
7) Trichlorofluoromethane	3.137	101	121709	43.572	ug/l	98
8) Diethyl Ether	3.540	74	40943	45.820	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.912	101	74406	43.424	ug/l	100
10) Methyl Iodide	4.107	142	85236	47.737	ug/l	99
11) Tert butyl alcohol	4.966	59	29552	244.314	ug/l	99
12) 1,1-Dichloroethene	3.887	96	70107	45.953	ug/l	99
13) Acrolein	3.747	56	24108	258.316	ug/l	96
14) Allyl chloride	4.497	41	112443	48.119	ug/l	99
15) Acrylonitrile	5.180	53	94652	250.131	ug/l	99
16) Acetone	3.960	43	83689	209.783	ug/l	99
17) Carbon Disulfide	4.210	76	196400	47.312	ug/l	99
18) Methyl Acetate	4.497	43	85416	54.788	ug/l	100
19) Methyl tert-butyl Ether	5.241	73	190836	48.614	ug/l	100
20) Methylene Chloride	4.729	84	93808	46.371	ug/l	98
21) trans-1,2-Dichloroethene	5.241	96	82107	47.189	ug/l	98
22) Diisopropyl ether	6.137	45	255735	48.374	ug/l	96
23) Vinyl Acetate	6.076	43	603655	241.429	ug/l	99
24) 1,1-Dichloroethane	6.039	63	148638	46.804	ug/l	98
25) 2-Butanone	7.003	43	125412	228.332	ug/l	99
26) 2,2-Dichloropropane	6.996	77	126472	45.636	ug/l	100
27) cis-1,2-Dichloroethene	7.003	96	95594	47.737	ug/l	100
28) Bromochloromethane	7.350	49	74934	59.616	ug/l	98
29) Tetrahydrofuran	7.362	42	79254	263.889	ug/l	99
30) Chloroform	7.521	83	152020	46.761	ug/l	99
31) Cyclohexane	7.801	56	120504	42.633	ug/l	99
32) 1,1,1-Trichloroethane	7.716	97	129510	45.383	ug/l	99
36) 1,1-Dichloropropene	7.929	75	113376	43.762	ug/l	100
37) Ethyl Acetate	7.088	43	53308	48.006	ug/l	98
38) Carbon Tetrachloride	7.911	117	112553	43.904	ug/l	100
39) Methylcyclohexane	9.191	83	134298	44.898	ug/l	98
40) Benzene	8.173	78	343814	45.604	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	32286	54.761	ug/l	98
42) 1,2-Dichloroethane	8.246	62	91255	46.395	ug/l	100
43) Isopropyl Acetate	8.283	43	102741	47.638	ug/l	99
44) Trichloroethene	8.947	130	86831	45.125	ug/l	97
45) 1,2-Dichloropropane	9.222	63	85529	45.226	ug/l	98
46) Dibromomethane	9.313	93	45833	46.913	ug/l	99
47) Bromodichloromethane	9.502	83	117490	45.627	ug/l	99
48) Methyl methacrylate	9.301	41	57257	47.768	ug/l	95
49) 1,4-Dioxane	9.307	88	9301	980.870	ug/l	92
51) 4-Methyl-2-Pentanone	10.075	43	279262	243.022	ug/l	99
52) Toluene	10.252	92	210701	46.637	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	112086	47.737	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	134280	47.413	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	65463	46.964	ug/l	99
56) Ethyl methacrylate	10.514	69	61298	50.010	ug/l	99
57) 1,3-Dichloropropane	10.795	76	111056	46.907	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	193866	294.014	ug/l	99
59) 2-Hexanone	10.837	43	194324	226.788	ug/l	99
60) Dibromochloromethane	10.990	129	74480	46.190	ug/l	99
61) 1,2-Dibromoethane	11.093	107	58989	47.189	ug/l	99
64) Tetrachloroethene	10.728	164	68299	45.326	ug/l	95
65) Chlorobenzene	11.520	112	216215	45.367	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	79964	44.594	ug/l	98
67) Ethyl Benzene	11.599	91	400454	45.651	ug/l	99
68) m/p-Xylenes	11.709	106	298115	92.032	ug/l	100
69) o-Xylene	12.032	106	138807	46.709	ug/l	99
70) Styrene	12.050	104	207890	47.276	ug/l	100
71) Bromoform	12.215	173	41544	46.471	ug/l #	98
73) Isopropylbenzene	12.331	105	373741	46.149	ug/l	100
74) N-amyl acetate	12.148	43	83101	48.894	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	74700	46.158	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	49423m	42.995	ug/l	
77) Bromobenzene	12.611	156	81726	46.257	ug/l	100
78) n-propylbenzene	12.678	91	452392	46.105	ug/l	100
79) 2-Chlorotoluene	12.764	91	250170	46.076	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	299132	46.661	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	22748	46.474	ug/l	96
82) 4-Chlorotoluene	12.861	91	259617	46.609	ug/l	100
83) tert-Butylbenzene	13.081	119	260566	46.728	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	299649	47.403	ug/l	99
85) sec-Butylbenzene	13.258	105	378928	45.879	ug/l	99
86) p-Isopropyltoluene	13.373	119	322153	46.836	ug/l	100
87) 1,3-Dichlorobenzene	13.373	146	159159	46.096	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	154609	45.858	ug/l	100
89) n-Butylbenzene	13.703	91	312480	47.524	ug/l	100
90) Hexachloroethane	13.965	117	65322	45.607	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	136107	46.272	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	9715	46.309	ug/l	98
93) 1,2,4-Trichlorobenzene	15.013	180	75672	48.484	ug/l	99
94) Hexachlorobutadiene	15.117	225	41888	47.252	ug/l	99
95) Naphthalene	15.239	128	151128	45.341	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	64003	48.149	ug/l	96

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

