

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122023\
 Data File : VY016724.D
 Acq On : 20 Dec 2023 14:39
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Dec 21 00:49:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 00:33:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	159875	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	273251	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	229115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	93350	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	6284	4.306	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	8.620%#		
35) Dibromofluoromethane	7.728	113	6558	4.190	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	8.380%#		
50) Toluene-d8	10.191	98	23370	4.142	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	8.280%#		
62) 4-Bromofluorobenzene	12.495	95	7718	4.216	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	8.440%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	7527	5.509	ug/l	96
3) Chloromethane	2.119	50	11798	5.618	ug/l	98
4) Vinyl Chloride	2.253	62	12531	5.283	ug/l	95
5) Bromomethane	2.668	94	9211	5.452	ug/l	95
6) Chloroethane	2.802	64	8689	5.406	ug/l	96
7) Trichlorofluoromethane	3.137	101	14311	5.179	ug/l	87
8) Diethyl Ether	3.540	74	4429	5.010	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.905	101	8659	5.108	ug/l	97
10) Methyl Iodide	4.100	142	7986	4.521	ug/l	100
11) Tert butyl alcohol	5.003	59	3353m	28.051	ug/l	
12) 1,1-Dichloroethene	3.887	96	7449	4.935	ug/l	97
13) Acrolein	3.747	56	2450	30.606	ug/l	90
14) Allyl chloride	4.491	41	10837	4.688	ug/l	97
15) Acrylonitrile	5.186	53	8198	21.899	ug/l	99
16) Acetone	3.979	43	10923	27.677	ug/l	98
17) Carbon Disulfide	4.204	76	20239	4.928	ug/l	98
18) Methyl Acetate	4.497	43	6263	4.061	ug/l	99
19) Methyl tert-butyl Ether	5.234	73	17696	4.557	ug/l	97
20) Methylene Chloride	4.734	84	18419	6.400	ug/l	93
21) trans-1,2-Dichloroethene	5.241	96	8376	4.866	ug/l	91
22) Diisopropyl ether	6.137	45	23360	4.466	ug/l	97
23) Vinyl Acetate	6.076	43	54028	21.842	ug/l	99
24) 1,1-Dichloroethane	6.033	63	15533	4.944	ug/l	98
25) 2-Butanone	7.008	43	13129	24.162	ug/l	100
26) 2,2-Dichloropropane	6.996	77	13895	5.068	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	9513	4.802	ug/l	94
28) Bromochloromethane	7.344	49	5180	4.166	ug/l #	99
29) Tetrahydrofuran	7.368	42	5979	20.123	ug/l	96
30) Chloroform	7.515	83	16012	4.978	ug/l	99
31) Cyclohexane	7.801	56	15236	5.449	ug/l #	73
32) 1,1,1-Trichloroethane	7.716	97	14503	5.137	ug/l	98
36) 1,1-Dichloropropene	7.929	75	12588	5.016	ug/l	98
37) Ethyl Acetate	7.082	43	4249	3.869	ug/l #	92
38) Carbon Tetrachloride	7.905	117	12132	4.886	ug/l	95
39) Methylcyclohexane	9.191	83	12863	4.440	ug/l	97
40) Benzene	8.173	78	35387	4.846	ug/l	98

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	2357	4.127	ug/l #	84
42) 1,2-Dichloroethane	8.240	62	8889	4.666	ug/l	98
43) Isopropyl Acetate	8.283	43	8817	4.221	ug/l	96
44) Trichloroethene	8.953	130	8878	4.763	ug/l	99
45) 1,2-Dichloropropane	9.222	63	8842	4.827	ug/l	95
46) Dibromomethane	9.313	93	4451	4.704	ug/l	99
47) Bromodichloromethane	9.508	83	12066	4.838	ug/l	88
48) Methyl methacrylate	9.307	41	4454	3.801	ug/l	96
49) 1,4-Dioxane	9.337	88	759	82.639	ug/l #	89
51) 4-Methyl-2-Pentanone	10.081	43	22466	20.185	ug/l	97
52) Toluene	10.252	92	19576	4.473	ug/l	91
53) t-1,3-Dichloropropene	10.477	75	9464	4.161	ug/l #	87
54) cis-1,3-Dichloropropene	9.941	75	12299	4.483	ug/l	95
55) 1,1,2-Trichloroethane	10.654	97	6371	4.719	ug/l	95
56) Ethyl methacrylate	10.514	69	4530	3.816	ug/l	94
57) 1,3-Dichloropropane	10.800	76	10392	4.532	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.795	63	13239	40.406	ug/l	100
59) 2-Hexanone	10.843	43	17249	20.783	ug/l	96
60) Dibromochloromethane	10.996	129	7151	4.579	ug/l	97
61) 1,2-Dibromoethane	11.099	107	5529	4.566	ug/l	99
64) Tetrachloroethene	10.727	164	6835	4.802	ug/l	91
65) Chlorobenzene	11.526	112	21564	4.790	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.599	131	7936	4.686	ug/l	96
67) Ethyl Benzene	11.605	91	37931	4.578	ug/l	100
68) m/p-Xylenes	11.715	106	26789	8.756	ug/l	98
69) o-Xylene	12.038	106	11828	4.214	ug/l	90
70) Styrene	12.056	104	16993	4.091	ug/l	98
71) Bromoform	12.221	173	3761	4.454	ug/l #	95
73) Isopropylbenzene	12.343	105	33039	4.544	ug/l	99
74) N-amyl acetate	12.154	43	5922	3.870	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.593	83	7071	4.867	ug/l	99
76) 1,2,3-Trichloropropane	12.648	75	5718m	5.532	ug/l	
77) Bromobenzene	12.623	156	7654	4.826	ug/l	97
78) n-propylbenzene	12.684	91	40634	4.613	ug/l	100
79) 2-Chlorotoluene	12.770	91	23082	4.736	ug/l	96
80) 1,3,5-Trimethylbenzene	12.825	105	25641	4.455	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.392	75	1994	4.538	ug/l	90
82) 4-Chlorotoluene	12.867	91	23461	4.692	ug/l	99
83) tert-Butylbenzene	13.087	119	22325	4.460	ug/l	95
84) 1,2,4-Trimethylbenzene	13.129	105	24506	4.318	ug/l	98
85) sec-Butylbenzene	13.263	105	34131	4.603	ug/l	98
86) p-Isopropyltoluene	13.379	119	26429	4.280	ug/l	99
87) 1,3-Dichlorobenzene	13.379	146	14745	4.757	ug/l	98
88) 1,4-Dichlorobenzene	13.459	146	14731	4.867	ug/l	91
89) n-Butylbenzene	13.709	91	25914	4.390	ug/l	98
90) Hexachloroethane	13.971	117	6327	4.921	ug/l	98
91) 1,2-Dichlorobenzene	13.751	146	12622	4.780	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	917	4.869	ug/l	92
93) 1,2,4-Trichlorobenzene	15.019	180	5897	4.209	ug/l	98
94) Hexachlorobutadiene	15.123	225	3757	4.721	ug/l	95
95) Naphthalene	15.251	128	9605	6.550	ug/l	98
96) 1,2,3-Trichlorobenzene	15.440	180	4797	4.020	ug/l	98

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

