

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021424\
 Data File : VY017381.D
 Acq On : 14 Feb 2024 14:31
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Quant Time: Feb 15 02:21:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021424S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 01:05:41 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/15/2024
 Supervised By :Semsettin Yesilyurt 02/15/2024

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	94982	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	167464	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.501	117	145128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	59696	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	6077	6.030	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	12.060%#	
35) Dibromofluoromethane	7.728	113	5878	5.505	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	11.020%#	
50) Toluene-d8	10.191	98	20817	5.032	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	10.060%#	
62) 4-Bromofluorobenzene	12.489	95	6809	5.369	ug/l	0.00
Spiked Amount 50.000	Range 30	- 143	Recovery	=	10.740%#	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	3637	4.496	ug/l	97
3) Chloromethane	2.125	50	7236	4.727	ug/l	98
4) Vinyl Chloride	2.259	62	8870	4.856	ug/l	100
5) Bromomethane	2.662	94	6943	5.355	ug/l	94
6) Chloroethane	2.808	64	5616	4.825	ug/l	98
7) Trichlorofluoromethane	3.137	101	8494	4.629	ug/l	97
8) Diethyl Ether	3.546	74	2461	4.645	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.911	101	5564	5.040	ug/l	97
10) Methyl Iodide	4.106	142	4346	4.005	ug/l	99
11) Tert butyl alcohol	4.960	59	2518	13.561	ug/l #	75
12) 1,1-Dichloroethene	3.881	96	4484	4.403	ug/l	85
13) Acrolein	3.747	56	2764	25.377	ug/l	95
14) Allyl chloride	4.497	41	6619	4.396	ug/l	95
15) Acrylonitrile	5.179	53	5581	24.484	ug/l	99
16) Acetone	3.960	43	7981	19.691	ug/l	97
17) Carbon Disulfide	4.210	76	15040	4.630	ug/l #	94
18) Methyl Acetate	4.497	43	2636	7.257	ug/l	99
19) Methyl tert-butyl Ether	5.234	73	9914	4.380	ug/l	97
20) Methylene Chloride	4.734	84	9238	2.752	ug/l	97
21) trans-1,2-Dichloroethene	5.234	96	5252	4.515	ug/l	88
22) Diisopropyl ether	6.143	45	13936	4.319	ug/l #	95
23) Vinyl Acetate	6.076	43	42745	16.978	ug/l	100
24) 1,1-Dichloroethane	6.039	63	9331	4.635	ug/l #	96
25) 2-Butanone	6.996	43	8902	27.006	ug/l	98
26) 2,2-Dichloropropane	6.990	77	7794	4.520	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	5698	4.549	ug/l	97
28) Bromochloromethane	7.350	49	5780	3.480	ug/l #	95
29) Tetrahydrofuran	7.368	42	4481	24.513	ug/l	97
30) Chloroform	7.520	83	9421	4.693	ug/l	100
31) Cyclohexane	7.795	56	9989	5.206	ug/l #	81
32) 1,1,1-Trichloroethane	7.709	97	7915	4.444	ug/l	98
36) 1,1-Dichloropropene	7.929	75	7808	4.466	ug/l	99
37) Ethyl Acetate	7.088	43	3713	5.224	ug/l #	94
38) Carbon Tetrachloride	7.917	117	7237	4.314	ug/l #	92
39) Methylcyclohexane	9.197	83	8875	4.240	ug/l	96
40) Benzene	8.173	78	20973	4.282	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	1787	4.933	ug/l #	86
42) 1,2-Dichloroethane	8.252	62	5648	4.531	ug/l	98
43) Isopropyl Acetate	8.289	43	5891	4.627	ug/l #	87
44) Trichloroethene	8.953	130	5412	4.276	ug/l	95
45) 1,2-Dichloropropane	9.221	63	5139	4.360	ug/l	98
46) Dibromomethane	9.313	93	2773	4.534	ug/l	94
47) Bromodichloromethane	9.502	83	7048	4.480	ug/l	90
48) Methyl methacrylate	9.307	41	2800	4.171	ug/l	90
49) 1,4-Dioxane	9.301	88	569	90.280	ug/l	94
51) 4-Methyl-2-Pentanone	10.075	43	16460	23.796	ug/l	93
52) Toluene	10.252	92	12206	4.101	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	6143	4.215	ug/l	93
54) cis-1,3-Dichloropropene	9.941	75	7387	4.140	ug/l	97
55) 1,1,2-Trichloroethane	10.654	97	3924	4.678	ug/l	95
56) Ethyl methacrylate	10.520	69	3762	4.400	ug/l	92
57) 1,3-Dichloropropane	10.794	76	6528	4.518	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.788	63	11892	21.686	ug/l	100
59) 2-Hexanone	10.843	43	11051	22.232	ug/l	97
60) Dibromochloromethane	10.989	129	4251	4.363	ug/l	98
61) 1,2-Dibromoethane	11.099	107	3530	4.589	ug/l	99
64) Tetrachloroethene	10.727	164	4497	4.191	ug/l	93
65) Chlorobenzene	11.526	112	13107	4.260	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.599	131	4485	4.052	ug/l	96
67) Ethyl Benzene	11.599	91	21979	3.878	ug/l	99
68) m/p-Xylenes	11.709	106	16372	7.662	ug/l	98
69) o-Xylene	12.038	106	7401	3.829	ug/l	99
70) Styrene	12.056	104	11433	3.855	ug/l	99
71) Bromoform	12.215	173	2334	4.350	ug/l #	98
73) Isopropylbenzene	12.337	105	19186	3.857	ug/l	98
74) N-amyl acetate	12.148	43	4195	4.265	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.593	83	4323	4.849	ug/l	95
76) 1,2,3-Trichloropropane	12.641	75	2842m	4.614	ug/l	
77) Bromobenzene	12.617	156	4606	4.396	ug/l	97
78) n-propylbenzene	12.678	91	25176	4.111	ug/l	100
79) 2-Chlorotoluene	12.763	91	14474	4.331	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	15062	3.852	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.385	75	1243	4.613	ug/l	96
82) 4-Chlorotoluene	12.861	91	14564	4.233	ug/l	99
83) tert-Butylbenzene	13.086	119	13437	3.935	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	14956	3.875	ug/l	97
85) sec-Butylbenzene	13.263	105	22016	4.226	ug/l	100
86) p-Isopropyltoluene	13.379	119	16073	3.812	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	9477	4.470	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	9734	4.719	ug/l	90
89) n-Butylbenzene	13.708	91	17708	4.324	ug/l	94
90) Hexachloroethane	13.970	117	3924	4.490	ug/l	93
91) 1,2-Dichlorobenzene	13.751	146	7783	4.454	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	594	5.365	ug/l	87
93) 1,2,4-Trichlorobenzene	15.019	180	3861	4.429	ug/l	100
94) Hexachlorobutadiene	15.123	225	2875	5.343	ug/l	95
95) Naphthalene	15.245	128	6220	4.100	ug/l	98
96) 1,2,3-Trichlorobenzene	15.440	180	3592	4.911	ug/l	96

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

