

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021924\
 Data File : VY017399.D
 Acq On : 19 Feb 2024 09:29
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/20/2024
 Supervised By :Semsettin Yesilyurt 02/20/2024

Quant Time: Feb 19 11:58:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 19 11:54:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	134879	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	219452	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.501	117	189972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	81192	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.154	65	6798	4.609	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.220%#		
35) Dibromofluoromethane	7.734	113	7318	5.282	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.560%#		
50) Toluene-d8	10.191	98	26758	5.039	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	10.080%#		
62) 4-Bromofluorobenzene	12.489	95	8389	5.158	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.320%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	4900	4.436	ug/l	94
3) Chloromethane	2.113	50	11542	4.804	ug/l	99
4) Vinyl Chloride	2.253	62	15019	5.210	ug/l	92
5) Bromomethane	2.662	94	13913	6.711	ug/l	97
6) Chloroethane	2.802	64	10006	5.460	ug/l	98
7) Trichlorofluoromethane	3.131	101	13634	4.932	ug/l	92
8) Diethyl Ether	3.546	74	3898	4.833	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.917	101	8420	5.270	ug/l	96
10) Methyl Iodide	4.106	142	7095	4.489	ug/l	99
11) Tert butyl alcohol	5.021	59	2217m	18.921	ug/l	
12) 1,1-Dichloroethene	3.881	96	7228	4.888	ug/l	87
13) Acrolein	3.747	56	2962	19.781	ug/l	98
14) Allyl chloride	4.497	41	8876	3.883	ug/l	96
15) Acrylonitrile	5.186	53	7032	19.871	ug/l	98
16) Acetone	3.972	43	9161	23.044	ug/l	100
17) Carbon Disulfide	4.210	76	20933	4.551	ug/l	99
18) Methyl Acetate	4.503	43	2890	2.489	ug/l	99
19) Methyl tert-butyl Ether	5.246	73	15504	4.368	ug/l	99
20) Methylene Chloride	4.734	84	12716	5.184	ug/l	94
21) trans-1,2-Dichloroethene	5.240	96	8203	4.763	ug/l #	81
22) Diisopropyl ether	6.130	45	19411	3.847	ug/l #	89
23) Vinyl Acetate	6.076	43	46260m	17.225	ug/l	
24) 1,1-Dichloroethane	6.039	63	14206	4.632	ug/l	99
25) 2-Butanone	7.008	43	9645	18.606	ug/l #	87
26) 2,2-Dichloropropane	6.996	77	12024	4.612	ug/l	98
27) cis-1,2-Dichloroethene	7.002	96	9220	4.794	ug/l	95
28) Bromochloromethane	7.350	49	4874	3.738	ug/l #	84
29) Tetrahydrofuran	7.368	42	4902	16.888	ug/l	90
30) Chloroform	7.527	83	14972	4.834	ug/l	93
31) Cyclohexane	7.795	56	13065	4.603	ug/l #	63
32) 1,1,1-Trichloroethane	7.716	97	13255	4.966	ug/l	97
36) 1,1-Dichloropropene	7.929	75	11210	4.837	ug/l	97
37) Ethyl Acetate	7.094	43	4481	4.428	ug/l	98
38) Carbon Tetrachloride	7.917	117	11773	5.339	ug/l #	95
39) Methylcyclohexane	9.197	83	13013	4.780	ug/l	93
40) Benzene	8.173	78	32667	4.900	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	1718	3.609	ug/l #	90
42) 1,2-Dichloroethane	8.252	62	8171	4.706	ug/l	96
43) Isopropyl Acetate	8.289	43	7347	4.015	ug/l	92
44) Trichloroethene	8.947	130	9061	5.376	ug/l	94
45) 1,2-Dichloropropane	9.227	63	7977	4.809	ug/l	95
46) Dibromomethane	9.319	93	4324	5.033	ug/l #	88
47) Bromodichloromethane	9.508	83	11374	5.261	ug/l	93
48) Methyl methacrylate	9.307	41	3221	3.487	ug/l	91
49) 1,4-Dioxane	9.325	88	579m	66.778	ug/l	
51) 4-Methyl-2-Pentanone	10.087	43	19078	19.381	ug/l	98
52) Toluene	10.252	92	18973	4.725	ug/l	94
53) t-1,3-Dichloropropene	10.477	75	9381	4.620	ug/l	98
54) cis-1,3-Dichloropropene	9.941	75	11466	4.636	ug/l	96
55) 1,1,2-Trichloroethane	10.654	97	5982	5.132	ug/l	94
56) Ethyl methacrylate	10.526	69	5488	4.575	ug/l	92
57) 1,3-Dichloropropane	10.800	76	9952	4.920	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.794	63	14455	18.453	ug/l	93
59) 2-Hexanone	10.843	43	13452	19.197	ug/l	97
60) Dibromochloromethane	10.995	129	7136	5.310	ug/l	99
61) 1,2-Dibromoethane	11.099	107	5520	5.144	ug/l	100
64) Tetrachloroethene	10.733	164	8339	5.911	ug/l	92
65) Chlorobenzene	11.526	112	21505	5.217	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.599	131	7867	5.224	ug/l	98
67) Ethyl Benzene	11.605	91	35297	4.636	ug/l	97
68) m/p-Xylenes	11.715	106	26870	9.417	ug/l	97
69) o-Xylene	12.044	106	12537	4.786	ug/l	91
70) Styrene	12.056	104	19185	4.775	ug/l	97
71) Bromoform	12.221	173	3947	5.421	ug/l #	98
73) Isopropylbenzene	12.343	105	32663	4.800	ug/l	98
74) N-amyl acetate	12.154	43	5095	3.506	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.593	83	6407	5.002	ug/l	99
76) 1,2,3-Trichloropropane	12.641	75	5149m	6.617	ug/l	
77) Bromobenzene	12.617	156	7971	5.456	ug/l	86
78) n-propylbenzene	12.684	91	39132	4.628	ug/l	97
79) 2-Chlorotoluene	12.763	91	22660	4.846	ug/l	97
80) 1,3,5-Trimethylbenzene	12.824	105	25265	4.653	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.392	75	1699	4.423	ug/l	95
82) 4-Chlorotoluene	12.867	91	22488	4.718	ug/l	98
83) tert-Butylbenzene	13.087	119	22887	4.910	ug/l	93
84) 1,2,4-Trimethylbenzene	13.129	105	23722	4.438	ug/l	98
85) sec-Butylbenzene	13.263	105	35516	4.986	ug/l	99
86) p-Isopropyltoluene	13.379	119	26804	4.606	ug/l	99
87) 1,3-Dichlorobenzene	13.379	146	15738	5.394	ug/l	98
88) 1,4-Dichlorobenzene	13.458	146	15353	5.380	ug/l	93
89) n-Butylbenzene	13.708	91	25847	4.651	ug/l	97
90) Hexachloroethane	13.970	117	6263	5.235	ug/l	90
91) 1,2-Dichlorobenzene	13.751	146	13166	5.368	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	716	4.500	ug/l	80
93) 1,2,4-Trichlorobenzene	15.019	180	5839	4.947	ug/l	98
94) Hexachlorobutadiene	15.123	225	4514	6.635	ug/l	97
95) Naphthalene	15.245	128	8739	4.136	ug/l	98
96) 1,2,3-Trichlorobenzene	15.434	180	5026	5.104	ug/l	99

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

