

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070924\
 Data File : VY018749.D
 Acq On : 09 Jul 2024 10:11
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/10/2024
 Supervised By :Semsettin Yesilyurt 07/10/2024

Quant Time: Jul 09 14:18:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 14:18:17 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.777	168	119193	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	187465	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	159055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	78018	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	5568	4.747	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.500%#		
35) Dibromofluoromethane	7.704	113	5330	4.540	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.080%#		
50) Toluene-d8	10.173	98	20972	4.715	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.420%#		
62) 4-Bromofluorobenzene	12.477	95	7530	4.957	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.920%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	5351	5.358	ug/l	89
3) Chloromethane	2.101	50	7850	5.172	ug/l	97
4) Vinyl Chloride	2.241	62	9159	5.159	ug/l	96
5) Bromomethane	2.637	94	7046	5.770	ug/l	92
6) Chloroethane	2.778	64	6673	5.785	ug/l #	87
7) Trichlorofluoromethane	3.101	101	12046	5.192	ug/l	95
8) Diethyl Ether	3.515	74	3014	5.330	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.887	101	6561	5.512	ug/l #	92
10) Methyl Iodide	4.076	142	5574	4.349	ug/l	91
11) Tert butyl alcohol	4.917	59	4519	38.034	ug/l #	95
12) 1,1-Dichloroethene	3.851	96	6358	5.521	ug/l	86
13) Acrolein	3.716	56	2687	28.227	ug/l	100
14) Allyl chloride	4.460	41	7357	5.157	ug/l	95
15) Acrylonitrile	5.137	53	5911	26.498	ug/l	98
16) Acetone	3.936	43	6007	27.780	ug/l #	82
17) Carbon Disulfide	4.174	76	16296	5.054	ug/l	96
18) Methyl Acetate	4.460	43	3232	5.144	ug/l	97
19) Methyl tert-butyl Ether	5.198	73	13609	5.094	ug/l	93
20) Methylene Chloride	4.692	84	10481	3.991	ug/l	94
21) trans-1,2-Dichloroethene	5.204	96	6486	5.337	ug/l	88
22) Diisopropyl ether	6.106	45	15838	5.104	ug/l #	82
23) Vinyl Acetate	6.039	43	60952	24.931	ug/l	96
24) 1,1-Dichloroethane	5.997	63	10614	5.357	ug/l	97
25) 2-Butanone	6.972	43	8363	27.591	ug/l #	83
26) 2,2-Dichloropropane	6.972	77	9586	5.214	ug/l	95
27) cis-1,2-Dichloroethene	6.966	96	7439	5.257	ug/l	97
28) Bromochloromethane	7.313	49	3921	4.927	ug/l	97
29) Tetrahydrofuran	7.344	42	4789	25.772	ug/l	98
30) Chloroform	7.490	83	11794	5.341	ug/l	87
31) Cyclohexane	7.771	56	11178	6.203	ug/l #	86
32) 1,1,1-Trichloroethane	7.691	97	9922	4.832	ug/l	91
36) 1,1-Dichloropropene	7.911	75	8557	5.281	ug/l	95
37) Ethyl Acetate	7.069	43	3520	5.226	ug/l #	90
38) Carbon Tetrachloride	7.893	117	9538	4.887	ug/l	90
39) Methylcyclohexane	9.179	83	10506	5.060	ug/l #	88
40) Benzene	8.149	78	23758	5.054	ug/l	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	2288m	6.240	ug/l	
42) 1,2-Dichloroethane	8.228	62	6692	5.085	ug/l	97
43) Isopropyl Acetate	8.264	43	6941	5.179	ug/l #	76
44) Trichloroethene	8.929	130	6826	5.080	ug/l	86
45) 1,2-Dichloropropane	9.209	63	5163	5.044	ug/l	89
46) Dibromomethane	9.295	93	3350	5.049	ug/l	95
47) Bromodichloromethane	9.490	83	8200	4.947	ug/l #	92
48) Methyl methacrylate	9.289	41	2952	4.846	ug/l #	85
49) 1,4-Dioxane	9.301	88	969	124.593	ug/l #	73
51) 4-Methyl-2-Pentanone	10.063	43	17216	25.161	ug/l	88
52) Toluene	10.240	92	15936	5.101	ug/l	97
53) t-1,3-Dichloropropene	10.459	75	6881	4.808	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	7942	4.731	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	4372	5.204	ug/l	91
56) Ethyl methacrylate	10.508	69	5456	4.933	ug/l #	83
57) 1,3-Dichloropropane	10.788	76	6882	4.941	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	13447	25.446	ug/l	93
59) 2-Hexanone	10.831	43	11477	23.976	ug/l	90
60) Dibromochloromethane	10.983	129	5570	4.825	ug/l	93
61) 1,2-Dibromoethane	11.081	107	4050	4.958	ug/l	96
64) Tetrachloroethene	10.715	164	6990	5.429	ug/l	97
65) Chlorobenzene	11.514	112	17672	5.267	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	5772	4.993	ug/l	96
67) Ethyl Benzene	11.587	91	29601	5.036	ug/l	99
68) m/p-Xylenes	11.697	106	23708	10.278	ug/l	97
69) o-Xylene	12.026	106	10850	5.003	ug/l	98
70) Styrene	12.044	104	18486	5.109	ug/l	94
71) Bromoform	12.209	173	3102	4.923	ug/l #	99
73) Isopropylbenzene	12.325	105	27652	4.843	ug/l	95
74) N-amyl acetate	12.142	43	5378	4.606	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	4772	5.301	ug/l	98
76) 1,2,3-Trichloropropane	12.623	75	3348m	5.102	ug/l	
77) Bromobenzene	12.611	156	7081	5.195	ug/l	93
78) n-propylbenzene	12.666	91	34399	5.073	ug/l	97
79) 2-Chlorotoluene	12.751	91	18890	4.955	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	22841	4.889	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	1378	5.047	ug/l #	79
82) 4-Chlorotoluene	12.849	91	20318	5.175	ug/l	97
83) tert-Butylbenzene	13.075	119	21547	4.996	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	23289	5.016	ug/l	100
85) sec-Butylbenzene	13.251	105	30429	4.970	ug/l	93
86) p-Isopropyltoluene	13.367	119	26266	4.970	ug/l	95
87) 1,3-Dichlorobenzene	13.361	146	13721	5.125	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	13847	5.218	ug/l	92
89) n-Butylbenzene	13.696	91	24772	5.170	ug/l	94
90) Hexachloroethane	13.959	117	4908	4.993	ug/l	97
91) 1,2-Dichlorobenzene	13.733	146	12075	5.221	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	867	5.944	ug/l	79
93) 1,2,4-Trichlorobenzene	15.007	180	6796	4.814	ug/l	96
94) Hexachlorobutadiene	15.111	225	4248	5.221	ug/l	95
95) Naphthalene	15.233	128	11392	4.704	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	6205	5.137	ug/l	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

