

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070924\
 Data File : VY018751.D
 Acq On : 09 Jul 2024 11:25
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

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

Quant Time: Jul 09 14:19:11 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	116533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	181034	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	157796	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	76596	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	22667	19.767	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.540%#		
35) Dibromofluoromethane	7.704	113	21833	19.256	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.520%#		
50) Toluene-d8	10.173	98	81492	18.971	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	37.940%#		
62) 4-Bromofluorobenzene	12.477	95	27918	19.031	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.060%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.894	85	20997	21.503	ug/l	89
3) Chloromethane	2.101	50	31269	21.073	ug/l	99
4) Vinyl Chloride	2.241	62	37338	21.510	ug/l	100
5) Bromomethane	2.625	94	24326	20.374	ug/l	96
6) Chloroethane	2.778	64	23225	20.595	ug/l	91
7) Trichlorofluoromethane	3.101	101	49206	21.693	ug/l	98
8) Diethyl Ether	3.515	74	11299	20.438	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.875	101	25269	21.713	ug/l	96
10) Methyl Iodide	4.070	142	26491	21.138	ug/l	96
11) Tert butyl alcohol	4.936	59	13157	113.264	ug/l #	95
12) 1,1-Dichloroethene	3.851	96	23443	20.822	ug/l	98
13) Acrolein	3.710	56	9639	103.570	ug/l	99
14) Allyl chloride	4.454	41	29483	21.138	ug/l	90
15) Acrylonitrile	5.137	53	22419	102.793	ug/l	97
16) Acetone	3.930	43	20532	97.120	ug/l	89
17) Carbon Disulfide	4.174	76	66529	21.103	ug/l	99
18) Methyl Acetate	4.454	43	12937	21.060	ug/l	97
19) Methyl tert-butyl Ether	5.204	73	53254	20.390	ug/l	96
20) Methylene Chloride	4.698	84	28498	20.915	ug/l	98
21) trans-1,2-Dichloroethene	5.192	96	24178	20.347	ug/l	98
22) Diisopropyl ether	6.100	45	61816	20.374	ug/l	90
23) Vinyl Acetate	6.039	43	241635	101.091	ug/l	99
24) 1,1-Dichloroethane	5.997	63	39178	20.225	ug/l	99
25) 2-Butanone	6.966	43	29734	100.338	ug/l	90
26) 2,2-Dichloropropane	6.966	77	37000	20.586	ug/l	97
27) cis-1,2-Dichloroethene	6.972	96	29009	20.969	ug/l	97
28) Bromochloromethane	7.326	49	15478	19.894	ug/l	94
29) Tetrahydrofuran	7.338	42	18379	101.165	ug/l	98
30) Chloroform	7.490	83	44236	20.490	ug/l	99
31) Cyclohexane	7.771	56	35780	20.310	ug/l	93
32) 1,1,1-Trichloroethane	7.685	97	43181	21.509	ug/l	99
36) 1,1-Dichloropropene	7.905	75	32761	20.937	ug/l	98
37) Ethyl Acetate	7.057	43	12810	19.695	ug/l #	95
38) Carbon Tetrachloride	7.886	117	39209	20.805	ug/l	97
39) Methylcyclohexane	9.173	83	41964	20.927	ug/l	89
40) Benzene	8.149	78	94836	20.893	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.289	41	7668m	21.657	ug/l	
42) 1,2-Dichloroethane	8.228	62	26255	20.659	ug/l	98
43) Isopropyl Acetate	8.264	43	25702	19.860	ug/l	94
44) Trichloroethene	8.929	130	27842	21.458	ug/l	99
45) 1,2-Dichloropropane	9.203	63	21402	21.652	ug/l	91
46) Dibromomethane	9.301	93	13224	20.640	ug/l	97
47) Bromodichloromethane	9.490	83	32658	20.404	ug/l #	93
48) Methyl methacrylate	9.283	41	12144	20.644	ug/l #	81
49) 1,4-Dioxane	9.289	88	2887	384.393	ug/l #	98
51) 4-Methyl-2-Pentanone	10.063	43	65676	99.394	ug/l	94
52) Toluene	10.240	92	62664	20.770	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	27975	20.243	ug/l	93
54) cis-1,3-Dichloropropene	9.923	75	33579	20.712	ug/l #	91
55) 1,1,2-Trichloroethane	10.642	97	16667	20.543	ug/l	94
56) Ethyl methacrylate	10.502	69	21795	20.404	ug/l #	80
57) 1,3-Dichloropropane	10.782	76	28118	20.906	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.776	63	48285	94.616	ug/l	94
59) 2-Hexanone	10.825	43	45627	98.703	ug/l	94
60) Dibromochloromethane	10.977	129	22474	20.160	ug/l	98
61) 1,2-Dibromoethane	11.087	107	16360	20.741	ug/l	96
64) Tetrachloroethene	10.715	164	26954	21.103	ug/l	96
65) Chlorobenzene	11.514	112	69676	20.932	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	22599	19.705	ug/l	96
67) Ethyl Benzene	11.587	91	122250	20.964	ug/l	94
68) m/p-Xylenes	11.697	106	95438	41.707	ug/l	100
69) o-Xylene	12.026	106	43954	20.431	ug/l	96
70) Styrene	12.038	104	73226	20.399	ug/l	97
71) Bromoform	12.209	173	12070	19.308	ug/l #	100
73) Isopropylbenzene	12.325	105	118816	21.195	ug/l	100
74) N-amyl acetate	12.142	43	22580	19.696	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	18154	20.543	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	11701m	18.163	ug/l	
77) Bromobenzene	12.605	156	27371	20.452	ug/l	94
78) n-propylbenzene	12.666	91	142179	21.358	ug/l	100
79) 2-Chlorotoluene	12.751	91	79092	21.130	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	97419	21.239	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	5117	19.090	ug/l #	78
82) 4-Chlorotoluene	12.849	91	80515	20.889	ug/l	98
83) tert-Butylbenzene	13.075	119	89185	21.061	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	94728	20.783	ug/l	99
85) sec-Butylbenzene	13.251	105	127132	21.151	ug/l	96
86) p-Isopropyltoluene	13.367	119	108028	20.818	ug/l	96
87) 1,3-Dichlorobenzene	13.361	146	54262	20.644	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	54765	21.022	ug/l	97
89) n-Butylbenzene	13.696	91	99250	21.098	ug/l	98
90) Hexachloroethane	13.959	117	19786	20.503	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	47699	21.008	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2607	18.206	ug/l	99
93) 1,2,4-Trichlorobenzene	15.001	180	29270	21.118	ug/l	98
94) Hexachlorobutadiene	15.111	225	17690	22.143	ug/l	98
95) Naphthalene	15.233	128	48109	20.234	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	24854	20.958	ug/l	97

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

