

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060324\
 Data File : VY018430.D
 Acq On : 03 Jun 2024 10:37
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 06/04/2024
 Supervised By :Mahesh Dadoda 06/04/2024

Quant Time: Jun 04 05:26:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060324S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 05:22:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.777	168	61365	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	98704	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	84480	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	58550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	13435	11.148	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	22.300%	#	
35) Dibromofluoromethane	7.710	113	12398	9.905	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.820%	#	
50) Toluene-d8	10.173	98	51333	10.309	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.620%	#	
62) 4-Bromofluorobenzene	12.477	95	16042	10.347	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	20.700%	#	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	11307	11.602	ug/l	87
3) Chloromethane	2.107	50	20228	11.129	ug/l	99
4) Vinyl Chloride	2.241	62	24215	11.139	ug/l	98
5) Bromomethane	2.637	94	16313	11.247	ug/l	96
6) Chloroethane	2.784	64	15528	11.313	ug/l	98
7) Trichlorofluoromethane	3.107	101	25189	11.199	ug/l	90
8) Diethyl Ether	3.515	74	7393	10.924	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.887	101	14611	11.156	ug/l	90
10) Methyl Iodide	4.076	142	13796	10.724	ug/l	96
11) Tert butyl alcohol	4.924	59	15469m	64.698	ug/l	
12) 1,1-Dichloroethene	3.863	96	14133	10.978	ug/l	98
13) Acrolein	3.723	56	5103	41.369	ug/l	95
14) Allyl chloride	4.466	41	19535	10.361	ug/l	96
15) Acrylonitrile	5.143	53	17390	56.186	ug/l	99
16) Acetone	3.936	43	13538	50.614	ug/l #	81
17) Carbon Disulfide	4.174	76	42241	11.185	ug/l	99
18) Methyl Acetate	4.460	43	7722	11.545	ug/l	93
19) Methyl tert-butyl Ether	5.204	73	33451	10.782	ug/l	93
20) Methylene Chloride	4.698	84	21429	11.595	ug/l	96
21) trans-1,2-Dichloroethene	5.204	96	15194	11.060	ug/l	96
22) Diisopropyl ether	6.106	45	42235	11.000	ug/l	93
23) Vinyl Acetate	6.045	43	139182	55.699	ug/l	98
24) 1,1-Dichloroethane	6.003	63	25886	10.809	ug/l	98
25) 2-Butanone	6.972	43	23166	56.536	ug/l #	81
26) 2,2-Dichloropropane	6.966	77	22724	10.796	ug/l	99
27) cis-1,2-Dichloroethene	6.972	96	17390	10.882	ug/l	92
28) Bromochloromethane	7.326	49	11400	10.344	ug/l #	79
29) Tetrahydrofuran	7.332	42	15747	59.174	ug/l	88
30) Chloroform	7.496	83	26254	10.930	ug/l	100
31) Cyclohexane	7.777	56	25603	11.395	ug/l	90
32) 1,1,1-Trichloroethane	7.698	97	22363	10.630	ug/l #	95
36) 1,1-Dichloropropene	7.911	75	20716	10.855	ug/l	99
37) Ethyl Acetate	7.064	43	10973	11.509	ug/l #	73
38) Carbon Tetrachloride	7.887	117	20458	10.697	ug/l	85
39) Methylcyclohexane	9.173	83	27253	10.563	ug/l	92
40) Benzene	8.155	78	61013	10.670	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	4962	9.694	ug/l #	70
42) 1,2-Dichloroethane	8.228	62	14789	10.638	ug/l	96
43) Isopropyl Acetate	8.265	43	19170	10.753	ug/l	93
44) Trichloroethene	8.935	130	14673	10.355	ug/l	99
45) 1,2-Dichloropropane	9.209	63	13859	10.598	ug/l	93
46) Dibromomethane	9.295	93	7816	10.425	ug/l	92
47) Bromodichloromethane	9.490	83	19316	10.732	ug/l	91
48) Methyl methacrylate	9.289	41	8428	10.276	ug/l	86
49) 1,4-Dioxane	9.283	88	2301	233.700	ug/l #	91
51) 4-Methyl-2-Pentanone	10.063	43	50113	54.137	ug/l	94
52) Toluene	10.240	92	37633	10.700	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	16780	10.153	ug/l	93
54) cis-1,3-Dichloropropene	9.923	75	21651	10.639	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	10442	10.705	ug/l	95
56) Ethyl methacrylate	10.508	69	14738	10.737	ug/l #	83
57) 1,3-Dichloropropane	10.788	76	17509	10.573	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.776	63	37200	50.466	ug/l	97
59) 2-Hexanone	10.825	43	33827	52.881	ug/l	93
60) Dibromochloromethane	10.977	129	11905	9.990	ug/l	97
61) 1,2-Dibromoethane	11.081	107	9713	10.574	ug/l	100
64) Tetrachloroethene	10.715	164	13184	10.595	ug/l	91
65) Chlorobenzene	11.514	112	38460	10.616	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.587	131	12269	10.473	ug/l	99
67) Ethyl Benzene	11.587	91	71515	10.845	ug/l	97
68) m/p-Xylenes	11.697	106	53617	21.594	ug/l	98
69) o-Xylene	12.026	106	25766	10.780	ug/l	98
70) Styrene	12.044	104	40662	10.412	ug/l	97
71) Bromoform	12.203	173	6644	10.766	ug/l #	94
73) Isopropylbenzene	12.325	105	65821	10.894	ug/l	99
74) N-amyl acetate	12.142	43	15879	10.797	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	11736	11.034	ug/l	95
76) 1,2,3-Trichloropropane	12.630	75	8121m	11.244	ug/l	
77) Bromobenzene	12.605	156	13163	10.261	ug/l	82
78) n-propylbenzene	12.666	91	80490	11.100	ug/l	98
79) 2-Chlorotoluene	12.752	91	43359	10.998	ug/l	94
80) 1,3,5-Trimethylbenzene	12.806	105	50958	10.829	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	3981	11.520	ug/l	94
82) 4-Chlorotoluene	12.849	91	44302	11.167	ug/l	98
83) tert-Butylbenzene	13.075	119	46121	10.599	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	49762	10.801	ug/l	99
85) sec-Butylbenzene	13.251	105	70624	11.021	ug/l	97
86) p-Isopropyltoluene	13.367	119	56673	10.957	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	26605	10.514	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	26421	10.628	ug/l	96
89) n-Butylbenzene	13.690	91	55541	11.301	ug/l	99
90) Hexachloroethane	13.959	117	9783	10.091	ug/l	87
91) 1,2-Dichlorobenzene	13.733	146	22987	10.439	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1721	10.633	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	11398	9.571	ug/l	95
94) Hexachlorobutadiene	15.111	225	6458	10.210	ug/l	95
95) Naphthalene	15.233	128	22173	9.270	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	9672	9.599	ug/l	96

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

