

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050724\
 Data File : VY018163.D
 Acq On : 07 May 2024 09:30
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/08/2024
 Supervised By :Semsettin Yesilyurt 05/08/2024

Quant Time: May 08 01:13:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 00:59:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	242177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	407928	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	339358	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	147368	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	8956	5.027	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.060%#		
35) Dibromofluoromethane	7.710	113	10289	4.799	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.600%#		
50) Toluene-d8	10.179	98	40163	4.754	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.500%#		
62) 4-Bromofluorobenzene	12.483	95	14068	5.156	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.320%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	11302	5.885	ug/l	98
3) Chloromethane	2.107	50	14229	5.535	ug/l	100
4) Vinyl Chloride	2.241	62	17530	5.625	ug/l	93
5) Bromomethane	2.644	94	12559	5.803	ug/l	98
6) Chloroethane	2.790	64	10909	5.515	ug/l	100
7) Trichlorofluoromethane	3.119	101	20293	5.559	ug/l	100
8) Diethyl Ether	3.522	74	6939	5.774	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.887	101	13244	5.693	ug/l	95
10) Methyl Iodide	4.076	142	12942	4.764	ug/l	99
11) Tert butyl alcohol	4.948	59	6136	28.705	ug/l #	88
12) 1,1-Dichloroethene	3.857	96	12920	5.517	ug/l	92
13) Acrolein	3.717	56	5733	28.914	ug/l	88
14) Allyl chloride	4.466	41	15548	5.218	ug/l	89
15) Acrylonitrile	5.149	53	12456	26.953	ug/l	97
16) Acetone	3.936	43	9204	25.887	ug/l	99
17) Carbon Disulfide	4.186	76	33298	5.222	ug/l	97
18) Methyl Acetate	4.473	43	6388m	6.307	ug/l	
19) Methyl tert-butyl Ether	5.210	73	28289	5.422	ug/l	97
20) Methylene Chloride	4.710	84	15001	5.969	ug/l	94
21) trans-1,2-Dichloroethene	5.216	96	13976	5.629	ug/l	86
22) Diisopropyl ether	6.106	45	35120	5.557	ug/l	94
23) Vinyl Acetate	6.052	43	102863	26.777	ug/l	99
24) 1,1-Dichloroethane	6.003	63	21529	5.530	ug/l	96
25) 2-Butanone	6.978	43	15682	27.593	ug/l	100
26) 2,2-Dichloropropane	6.978	77	19928	5.656	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	16005	5.455	ug/l	97
28) Bromochloromethane	7.326	49	7448	4.787	ug/l	100
29) Tetrahydrofuran	7.344	42	10799	28.786	ug/l	94
30) Chloroform	7.503	83	23118	5.689	ug/l	98
31) Cyclohexane	7.783	56	23676	4.886	ug/l #	89
32) 1,1,1-Trichloroethane	7.698	97	20099	5.518	ug/l	99
36) 1,1-Dichloropropene	7.911	75	17238	5.609	ug/l	98
37) Ethyl Acetate	7.064	43	7194	5.561	ug/l #	91
38) Carbon Tetrachloride	7.893	117	18111	5.393	ug/l	91
39) Methylcyclohexane	9.179	83	25136	5.669	ug/l	94
40) Benzene	8.155	78	53825	5.445	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	4586m	6.140	ug/l	
42) 1,2-Dichloroethane	8.228	62	11815	5.493	ug/l	94
43) Isopropyl Acetate	8.265	43	14444	5.448	ug/l	95
44) Trichloroethene	8.935	130	14745	5.479	ug/l	99
45) 1,2-Dichloropropane	9.210	63	11707	5.417	ug/l	98
46) Dibromomethane	9.301	93	6799	5.472	ug/l	98
47) Bromodichloromethane	9.496	83	16832	5.480	ug/l	92
48) Methyl methacrylate	9.289	41	6782	5.581	ug/l	93
49) 1,4-Dioxane	9.289	88	1949	118.175	ug/l #	100
51) 4-Methyl-2-Pentanone	10.069	43	35946	26.974	ug/l	98
52) Toluene	10.240	92	35104	5.516	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	14285	4.979	ug/l	94
54) cis-1,3-Dichloropropene	9.929	75	18942	5.401	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	9255	5.422	ug/l	93
56) Ethyl methacrylate	10.508	69	12229	5.275	ug/l	91
57) 1,3-Dichloropropane	10.789	76	14832	5.339	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.777	63	28473	25.723	ug/l	93
59) 2-Hexanone	10.831	43	24757	26.570	ug/l	92
60) Dibromochloromethane	10.984	129	11773	5.316	ug/l	98
61) 1,2-Dibromoethane	11.087	107	8847	5.503	ug/l	97
64) Tetrachloroethene	10.715	164	12324	5.454	ug/l	95
65) Chlorobenzene	11.514	112	37740	5.460	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	12381	5.538	ug/l	98
67) Ethyl Benzene	11.593	91	63913	5.477	ug/l	94
68) m/p-Xylenes	11.703	106	50207	10.879	ug/l	97
69) o-Xylene	12.026	106	24607	5.556	ug/l	91
70) Styrene	12.044	104	39833	5.386	ug/l	98
71) Bromoform	12.209	173	6387	5.163	ug/l #	95
73) Isopropylbenzene	12.331	105	62832	5.687	ug/l	99
74) N-amyl acetate	12.142	43	12459	5.432	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	10363	5.880	ug/l	94
76) 1,2,3-Trichloropropane	12.630	75	6715m	5.693	ug/l	
77) Bromobenzene	12.605	156	14093	5.552	ug/l	98
78) n-propylbenzene	12.672	91	73335	5.706	ug/l	96
79) 2-Chlorotoluene	12.758	91	41199	5.769	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	49218	5.649	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	3079	5.029	ug/l #	82
82) 4-Chlorotoluene	12.855	91	40657	5.668	ug/l	99
83) tert-Butylbenzene	13.075	119	44709	5.563	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	47091	5.518	ug/l	99
85) sec-Butylbenzene	13.251	105	67430	5.720	ug/l	99
86) p-Isopropyltoluene	13.367	119	53445	5.511	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	27277	5.564	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	26467	5.538	ug/l	90
89) n-Butylbenzene	13.697	91	49052	5.589	ug/l	98
90) Hexachloroethane	13.959	117	10535	5.538	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	22963	5.450	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1345	5.604	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	12274	5.182	ug/l	93
94) Hexachlorobutadiene	15.105	225	7061	5.403	ug/l	100
95) Naphthalene	15.239	128	21189	4.882	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	9643	4.961	ug/l	98

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

