

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012524\
 Data File : VY017108.D
 Acq On : 25 Jan 2024 16:44
 Operator : SY/MD
 Sample : P1187-01 2.5 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 26 10:52:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 26 10:50:25 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/29/2024
 Supervised By :Semsettin Yesilyurt 01/29/2024

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	104324	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	194662	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	167788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	68884	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	63617	62.588	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 125.180%			
35) Dibromofluoromethane	7.722	113	63770	54.278	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.560%			
50) Toluene-d8	10.185	98	237972	53.627	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.260%			
62) 4-Bromofluorobenzene	12.489	95	69969	51.184	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.360%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	2046	2.257	ug/l	95
3) Chloromethane	2.113	50	4371	2.874	ug/l	88
4) Vinyl Chloride	2.253	62	4890	2.813	ug/l	90
5) Bromomethane	2.656	94	4430	3.420	ug/l	100
6) Chloroethane	2.796	64	3164	2.841	ug/l	97
7) Trichlorofluoromethane	3.125	101	4376	2.172	ug/l	88
8) Diethyl Ether	3.540	74	1438	2.392	ug/l	67
9) 1,1,2-Trichlorotrifluo...	3.912	101	2785	2.387	ug/l	96
10) Methyl Iodide	4.107	142	2250	2.030	ug/l #	95
11) Tert butyl alcohol	4.966	59	2296m	29.808	ug/l	
12) 1,1-Dichloroethene	3.887	96	2423	2.268	ug/l #	77
13) Acrolein	3.741	56	1992	16.341	ug/l	99
14) Allyl chloride	4.479	41	3846	2.382	ug/l	93
15) Acrylonitrile	5.167	53	3055	11.711	ug/l	94
16) Acetone	3.954	43	3781	11.469	ug/l	99
17) Carbon Disulfide	4.198	76	8354	2.595	ug/l	97
18) Methyl Acetate	4.485	43	2466	2.365	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	6114	2.346	ug/l	97
20) Methylene Chloride	4.722	84	6873	4.907	ug/l	97
21) trans-1,2-Dichloroethene	5.228	96	3131	2.534	ug/l	89
22) Diisopropyl ether	6.125	45	7822	2.195	ug/l #	96
23) Vinyl Acetate	6.070	43	19040	11.014	ug/l	95
24) 1,1-Dichloroethane	6.021	63	5633	2.591	ug/l	97
25) 2-Butanone	6.996	43	4408	10.893	ug/l	95
26) 2,2-Dichloropropane	6.984	77	4452	2.398	ug/l	96
27) cis-1,2-Dichloroethene	7.002	96	3279	2.395	ug/l	93
28) Bromochloromethane	7.344	49	2321	2.682	ug/l #	99
29) Tetrahydrofuran	7.362	42	2342	11.363	ug/l #	76
30) Chloroform	7.521	83	5468	2.470	ug/l	89
31) Cyclohexane	7.795	56	6217	3.095	ug/l #	66
32) 1,1,1-Trichloroethane	7.710	97	4438	2.338	ug/l	93
36) 1,1-Dichloropropene	7.923	75	4296	2.222	ug/l	96
37) Ethyl Acetate	7.082	43	1990	2.394	ug/l #	93
38) Carbon Tetrachloride	7.905	117	3941	2.080	ug/l #	93
39) Methylcyclohexane	9.191	83	4327	1.861	ug/l #	85
40) Benzene	8.167	78	12308	2.192	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	733	1.649	ug/l	92
42) 1,2-Dichloroethane	8.246	62	3492	2.399	ug/l	98
43) Isopropyl Acetate	8.277	43	3549	2.287	ug/l	97
44) Trichloroethene	8.947	130	3167	2.200	ug/l	89
45) 1,2-Dichloropropane	9.222	63	2895	2.101	ug/l #	87
46) Dibromomethane	9.313	93	1671	2.284	ug/l	94
47) Bromodichloromethane	9.502	83	4263	2.290	ug/l #	86
48) Methyl methacrylate	9.295	41	1661	1.928	ug/l	97
49) 1,4-Dioxane	9.301	88	256	35.570	ug/l #	83
51) 4-Methyl-2-Pentanone	10.081	43	8164	9.891	ug/l	96
52) Toluene	10.252	92	7636	2.247	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	3526	2.073	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	4215	2.015	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	2324	2.272	ug/l #	82
56) Ethyl methacrylate	10.520	69	1586	1.773	ug/l	96
57) 1,3-Dichloropropane	10.794	76	3765	2.177	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.789	63	6734	10.847	ug/l	97
59) 2-Hexanone	10.837	43	5376	8.537	ug/l	96
60) Dibromochloromethane	10.990	129	2431	2.046	ug/l	100
61) 1,2-Dibromoethane	11.099	107	1964	2.114	ug/l	96
64) Tetrachloroethene	10.727	164	2528	2.162	ug/l	92
65) Chlorobenzene	11.520	112	7566	2.128	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.593	131	2831	2.180	ug/l	96
67) Ethyl Benzene	11.599	91	12881	1.993	ug/l	94
68) m/p-Xylenes	11.709	106	8997	3.705	ug/l	95
69) o-Xylene	12.032	106	3991	1.809	ug/l	95
70) Styrene	12.050	104	5438	1.698	ug/l	98
71) Bromoform	12.215	173	1329	2.041	ug/l #	95
73) Isopropylbenzene	12.337	105	10718	1.893	ug/l	99
74) N-amyl acetate	12.154	43	2095	1.835	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	2448	2.267	ug/l	88
76) 1,2,3-Trichloropropane	12.642	75	1834m	2.193	ug/l	
77) Bromobenzene	12.617	156	2749	2.243	ug/l	98
78) n-propylbenzene	12.678	91	14618	2.146	ug/l	97
79) 2-Chlorotoluene	12.764	91	8162	2.184	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	8613	1.922	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.489	75	37166	115.078	ug/l #	12
82) 4-Chlorotoluene	12.861	91	8089	2.088	ug/l	97
83) tert-Butylbenzene	13.081	119	7574	1.954	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	8488	1.906	ug/l	99
85) sec-Butylbenzene	13.257	105	10692	1.863	ug/l	98
86) p-Isopropyltoluene	13.379	119	8616	1.802	ug/l	97
87) 1,3-Dichlorobenzene	13.373	146	5455	2.255	ug/l	97
88) 1,4-Dichlorobenzene	13.453	146	5609	2.356	ug/l	88
89) n-Butylbenzene	13.703	91	9132	1.980	ug/l	96
90) Hexachloroethane	13.965	117	2214	2.222	ug/l	97
91) 1,2-Dichlorobenzene	13.745	146	4545	2.200	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.361	75	232	1.682	ug/l	71
93) 1,2,4-Trichlorobenzene	15.013	180	1874	1.736	ug/l	96
94) Hexachlorobutadiene	15.111	225	1377	2.119	ug/l	95
95) Naphthalene	15.239	128	3350	1.757	ug/l	96
96) 1,2,3-Trichlorobenzene	15.434	180	1858	2.069	ug/l	93

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

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