

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040524\
 Data File : VX040890.D
 Acq On : 05 Apr 2024 09:59
 Operator : JC/MD
 Sample : VX0405WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/08/2024
 Supervised By : Mahesh Dadoda 04/08/2024

Quant Time: Apr 05 23:15:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040124W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 02 05:40:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	49650	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	85417	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	80417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	41902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	43909	49.288	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.580%		
35) Dibromofluoromethane	5.385	113	30016	49.613	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.220%		
50) Toluene-d8	8.647	98	105291	48.162	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.320%		
62) 4-Bromofluorobenzene	11.079	95	42055	48.171	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.340%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	11632	17.284	ug/l	94
3) Chloromethane	1.300	50	11926	20.513	ug/l	98
4) Vinyl Chloride	1.374	62	12389	20.644	ug/l	98
5) Bromomethane	1.611	94	8468	22.936	ug/l	99
6) Chloroethane	1.691	64	7999	20.677	ug/l	96
7) Trichlorofluoromethane	1.892	101	21296	18.538	ug/l	99
8) Diethyl Ether	2.136	74	6787	18.282	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	10924	18.445	ug/l	97
10) Methyl Iodide	2.459	142	12821	17.846	ug/l	98
11) Tert butyl alcohol	2.953	59	13724	84.380	ug/l #	90
12) 1,1-Dichloroethene	2.325	96	10080	18.147	ug/l	92
13) Acrolein	2.233	56	7517	84.668	ug/l	98
14) Allyl chloride	2.666	41	18390	18.482	ug/l	91
15) Acrylonitrile	3.062	53	31728	92.474	ug/l	97
16) Acetone	2.373	43	34087	98.542	ug/l	96
17) Carbon Disulfide	2.514	76	26405	16.432	ug/l	100
18) Methyl Acetate	2.703	43	15261	18.596	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	35361	18.086	ug/l	99
20) Methylene Chloride	2.794	84	11125	17.354	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	10330	17.607	ug/l	99
22) Diisopropyl ether	3.757	45	35850	18.513	ug/l #	84
23) Vinyl Acetate	3.721	43	172939	93.179	ug/l	97
24) 1,1-Dichloroethane	3.611	63	20887	18.880	ug/l	98
25) 2-Butanone	4.550	43	49623	96.571	ug/l	92
26) 2,2-Dichloropropane	4.477	77	17302	18.216	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	12325	18.192	ug/l	97
28) Bromochloromethane	4.897	49	10849	21.809	ug/l	96
29) Tetrahydrofuran	5.001	42	30407	91.042	ug/l	98
30) Chloroform	5.092	83	22550	18.727	ug/l	93
31) Cyclohexane	5.477	56	16933	17.912	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	19792	18.496	ug/l	98
36) 1,1-Dichloropropene	5.690	75	14816	17.235	ug/l	99
37) Ethyl Acetate	4.714	43	19035	18.032	ug/l #	97
38) Carbon Tetrachloride	5.678	117	17385	18.268	ug/l	93
39) Methylcyclohexane	7.379	83	16911	16.464	ug/l	92
40) Benzene	6.037	78	42108	17.648	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	10300	19.000	ug/l	98
42) 1,2-Dichloroethane	6.086	62	19268	18.593	ug/l	96
43) Isopropyl Acetate	6.336	43	29381	18.023	ug/l	96
44) Trichloroethene	7.129	130	10450	17.536	ug/l	96
45) 1,2-Dichloropropane	7.427	63	10331	18.138	ug/l	94
46) Dibromomethane	7.580	93	8506	18.220	ug/l	99
47) Bromodichloromethane	7.818	83	17397	17.911	ug/l	95
48) Methyl methacrylate	7.690	41	14863	18.618	ug/l	95
49) 1,4-Dioxane	7.653	88	5435	356.775	ug/l #	95
51) 4-Methyl-2-Pentanone	8.567	43	98168	90.784	ug/l	97
52) Toluene	8.714	92	26457	17.574	ug/l	91
53) t-1,3-Dichloropropene	8.976	75	16898	17.599	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	17553	18.225	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	10536	17.933	ug/l	92
56) Ethyl methacrylate	9.116	69	17436	17.283	ug/l #	89
57) 1,3-Dichloropropane	9.305	76	18451	17.956	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	44662	91.318	ug/l	96
59) 2-Hexanone	9.427	43	79419	91.578	ug/l	94
60) Dibromochloromethane	9.518	129	12765	18.200	ug/l	99
61) 1,2-Dibromoethane	9.610	107	11572	18.256	ug/l	99
64) Tetrachloroethene	9.269	164	9033	16.974	ug/l	97
65) Chlorobenzene	10.079	112	29857	16.976	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	10567	18.101	ug/l	99
67) Ethyl Benzene	10.195	91	54389	17.341	ug/l	98
68) m/p-Xylenes	10.299	106	39107	34.269	ug/l	90
69) o-Xylene	10.640	106	18845	17.529	ug/l	92
70) Styrene	10.652	104	32135	17.249	ug/l	95
71) Bromoform	10.799	173	8721	17.708	ug/l #	98
73) Isopropylbenzene	10.963	105	51043	17.441	ug/l	100
74) N-amyl acetate	10.841	43	26089	17.600	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.207	83	17694	17.682	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	15273m	17.093	ug/l	
77) Bromobenzene	11.195	156	12406	18.071	ug/l	99
78) n-propylbenzene	11.305	91	63589	17.386	ug/l	98
79) 2-Chlorotoluene	11.360	91	37542	17.200	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	44480	17.795	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	5714	17.254	ug/l	97
82) 4-Chlorotoluene	11.451	91	45566	17.485	ug/l	100
83) tert-Butylbenzene	11.713	119	43415	17.509	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	45888	18.224	ug/l	99
85) sec-Butylbenzene	11.890	105	55537	17.635	ug/l	100
86) p-Isopropyltoluene	12.006	119	45837	17.353	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	23881	17.209	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	24495	16.636	ug/l	98
89) n-Butylbenzene	12.329	91	44293	16.974	ug/l	98
90) Hexachloroethane	12.536	117	7961	17.301	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	22938	16.867	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	4963	19.301	ug/l	92
93) 1,2,4-Trichlorobenzene	13.585	180	15465	16.404	ug/l	98
94) Hexachlorobutadiene	13.725	225	5856	16.214	ug/l	99
95) Naphthalene	13.774	128	52871	17.417	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	14940	16.611	ug/l	97

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

