

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032124\
 Data File : VX040747.D
 Acq On : 21 Mar 2024 17:01
 Operator : JC/MD
 Sample : VX0321WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/25/2024
 Supervised By : Mahesh Dadoda 03/25/2024

Quant Time: Mar 22 02:56:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:41:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	50568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	85337	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	71609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	35298	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	42754	50.282	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.560%			
35) Dibromofluoromethane	5.385	113	29888	46.807	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.620%			
50) Toluene-d8	8.647	98	97858	44.757	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 89.520%#			
62) 4-Bromofluorobenzene	11.079	95	39528	45.759	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.520%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	12380	18.918	ug/l	96
3) Chloromethane	1.300	50	11526	17.220	ug/l	96
4) Vinyl Chloride	1.374	62	11530	18.193	ug/l	99
5) Bromomethane	1.611	94	8147	19.069	ug/l	99
6) Chloroethane	1.691	64	7685	17.251	ug/l	98
7) Trichlorofluoromethane	1.892	101	22431	20.228	ug/l	95
8) Diethyl Ether	2.136	74	6600	18.516	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	11909	18.675	ug/l	99
10) Methyl Iodide	2.453	142	16232	19.225	ug/l	99
11) Tert butyl alcohol	2.946	59	14461	106.207	ug/l #	90
12) 1,1-Dichloroethene	2.325	96	10932	18.302	ug/l	94
13) Acrolein	2.233	56	7962	98.812	ug/l	99
14) Allyl chloride	2.666	41	19721	18.423	ug/l	89
15) Acrylonitrile	3.062	53	33125	98.549	ug/l	99
16) Acetone	2.373	43	35240	117.010	ug/l	98
17) Carbon Disulfide	2.514	76	30075	17.529	ug/l	99
18) Methyl Acetate	2.703	43	14336	17.761	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	38796	18.819	ug/l	99
20) Methylene Chloride	2.788	84	12180	18.501	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	11456	18.168	ug/l	97
22) Diisopropyl ether	3.757	45	39396	18.860	ug/l	93
23) Vinyl Acetate	3.721	43	189518	95.984	ug/l	98
24) 1,1-Dichloroethane	3.611	63	22313	18.598	ug/l	98
25) 2-Butanone	4.550	43	48799	103.448	ug/l	100
26) 2,2-Dichloropropane	4.477	77	18936	18.089	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	13235	18.120	ug/l	96
28) Bromochloromethane	4.897	49	8316	15.155	ug/l	96
29) Tetrahydrofuran	4.995	42	31983	101.931	ug/l	99
30) Chloroform	5.092	83	24679	19.213	ug/l	98
31) Cyclohexane	5.464	56	19015	18.822	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	21652	19.611	ug/l	99
36) 1,1-Dichloropropene	5.690	75	16978	18.058	ug/l	96
37) Ethyl Acetate	4.708	43	19172	17.958	ug/l	98
38) Carbon Tetrachloride	5.678	117	18507	17.489	ug/l	91
39) Methylcyclohexane	7.379	83	18202	17.475	ug/l	97
40) Benzene	6.037	78	47536	18.310	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	10357	18.760	ug/l	96
42) 1,2-Dichloroethane	6.086	62	19678	18.731	ug/l	98
43) Isopropyl Acetate	6.330	43	31459	18.765	ug/l	97
44) Trichloroethene	7.123	130	11325	18.200	ug/l	93
45) 1,2-Dichloropropane	7.427	63	10895	17.887	ug/l	96
46) Dibromomethane	7.580	93	8769	18.177	ug/l	97
47) Bromodichloromethane	7.824	83	17403	17.655	ug/l	94
48) Methyl methacrylate	7.690	41	14289	18.648	ug/l	95
49) 1,4-Dioxane	7.659	88	5363	414.713	ug/l #	94
51) 4-Methyl-2-Pentanone	8.567	43	92822	89.280	ug/l	96
52) Toluene	8.714	92	26858	17.346	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	17644	17.303	ug/l	94
54) cis-1,3-Dichloropropene	8.366	75	17579	16.669	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	10283	16.309	ug/l	98
56) Ethyl methacrylate	9.116	69	17455	16.562	ug/l	94
57) 1,3-Dichloropropane	9.305	76	17572	16.331	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	47599	86.054	ug/l	96
59) 2-Hexanone	9.427	43	75172	93.336	ug/l	96
60) Dibromochloromethane	9.518	129	12726	17.176	ug/l	98
61) 1,2-Dibromoethane	9.610	107	11804	17.728	ug/l	97
64) Tetrachloroethene	9.275	164	9482	17.777	ug/l	89
65) Chlorobenzene	10.079	112	30291	18.651	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	10804	19.548	ug/l	97
67) Ethyl Benzene	10.189	91	53592	18.425	ug/l	96
68) m/p-Xylenes	10.299	106	40415	37.951	ug/l	92
69) o-Xylene	10.640	106	19206	18.773	ug/l	92
70) Styrene	10.652	104	32245	18.828	ug/l	97
71) Bromoform	10.799	173	8470	18.763	ug/l #	98
73) Isopropylbenzene	10.957	105	53543	19.991	ug/l	99
74) N-amyl acetate	10.841	43	27661	20.976	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.207	83	17389	19.178	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	15442m	20.341	ug/l	
77) Bromobenzene	11.195	156	12217	18.845	ug/l	98
78) n-propylbenzene	11.305	91	64626	19.570	ug/l	98
79) 2-Chlorotoluene	11.360	91	37962	19.922	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	46037	20.504	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	5721	19.064	ug/l	97
82) 4-Chlorotoluene	11.451	91	47525	19.885	ug/l	99
83) tert-Butylbenzene	11.713	119	43595	19.359	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	44761	19.808	ug/l	100
85) sec-Butylbenzene	11.890	105	56115	19.595	ug/l	100
86) p-Isopropyltoluene	12.006	119	45154	19.015	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	23060	18.627	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	24030	18.277	ug/l	99
89) n-Butylbenzene	12.329	91	45383	18.952	ug/l	95
90) Hexachloroethane	12.536	117	8153	19.718	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	22356	18.380	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	4222	18.649	ug/l	92
93) 1,2,4-Trichlorobenzene	13.585	180	17166	19.858	ug/l	96
94) Hexachlorobutadiene	13.725	225	6471	18.992	ug/l	99
95) Naphthalene	13.774	128	56022	20.485	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	16224	19.103	ug/l	97

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

