

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022324\
 Data File : VX040423.D
 Acq On : 23 Feb 2024 11:53
 Operator : JC/MD
 Sample : VX0223WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0223WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/26/2024
 Supervised By : Mahesh Dadoda 02/26/2024

Quant Time: Feb 23 22:15:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022224W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 23 06:47:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	85422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	146726	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	139858	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	69393	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66437	47.756	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.520%		
35) Dibromofluoromethane	5.385	113	47554	48.095	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.200%		
50) Toluene-d8	8.647	98	174590	48.885	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.760%		
62) 4-Bromofluorobenzene	11.079	95	66243	46.287	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.580%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	21678	21.054	ug/l	94
3) Chloromethane	1.294	50	21723	18.663	ug/l	99
4) Vinyl Chloride	1.374	62	22566	19.437	ug/l	98
5) Bromomethane	1.605	94	15535	22.745	ug/l	95
6) Chloroethane	1.685	64	13424	19.185	ug/l	98
7) Trichlorofluoromethane	1.886	101	35018	18.905	ug/l	96
8) Diethyl Ether	2.136	74	12597	19.038	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	18981	19.393	ug/l	96
10) Methyl Iodide	2.453	142	21450	18.835	ug/l	96
11) Tert butyl alcohol	2.953	59	25740	95.719	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	18200	19.280	ug/l	96
13) Acrolein	2.233	56	31230	97.067	ug/l	99
14) Allyl chloride	2.666	41	33606	19.276	ug/l	93
15) Acrylonitrile	3.062	53	60107	95.337	ug/l	98
16) Acetone	2.380	43	65664	113.281	ug/l	99
17) Carbon Disulfide	2.514	76	49114	18.924	ug/l	96
18) Methyl Acetate	2.703	43	29242	19.475	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	63157	18.764	ug/l	98
20) Methylene Chloride	2.788	84	20636	17.002	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	19732	18.525	ug/l	97
22) Diisopropyl ether	3.763	45	65859	19.111	ug/l	92
23) Vinyl Acetate	3.721	43	306083	97.322	ug/l	98
24) 1,1-Dichloroethane	3.611	63	38454	19.296	ug/l	99
25) 2-Butanone	4.556	43	90605	100.259	ug/l	99
26) 2,2-Dichloropropane	4.477	77	29243	22.482	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	22437	18.902	ug/l	98
28) Bromochloromethane	4.897	49	16323	17.561	ug/l	97
29) Tetrahydrofuran	5.007	42	57739	95.978	ug/l	99
30) Chloroform	5.092	83	40506	18.859	ug/l	98
31) Cyclohexane	5.470	56	32364	19.404	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	33919	19.076	ug/l	98
36) 1,1-Dichloropropene	5.690	75	29293	19.143	ug/l	99
37) Ethyl Acetate	4.714	43	33923	19.404	ug/l	98
38) Carbon Tetrachloride	5.678	117	28414	20.070	ug/l	93
39) Methylcyclohexane	7.385	83	32781	20.214	ug/l	96
40) Benzene	6.037	78	81084	19.478	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	18387	19.806	ug/l	97
42) 1,2-Dichloroethane	6.086	62	34464	19.921	ug/l	100
43) Isopropyl Acetate	6.342	43	52654	19.628	ug/l	98
44) Trichloroethene	7.129	130	21798	20.021	ug/l	91
45) 1,2-Dichloropropane	7.427	63	21275	19.150	ug/l	100
46) Dibromomethane	7.580	93	15906	19.084	ug/l	99
47) Bromodichloromethane	7.818	83	29625	19.098	ug/l	96
48) Methyl methacrylate	7.696	41	26463	19.920	ug/l	93
49) 1,4-Dioxane	7.653	88	11063	413.144	ug/l #	94
51) 4-Methyl-2-Pentanone	8.574	43	180134	98.869	ug/l	98
52) Toluene	8.720	92	51158	20.053	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	31431	20.098	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	33844	20.315	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	21190	19.399	ug/l #	91
56) Ethyl methacrylate	9.116	69	33097	19.830	ug/l	97
57) 1,3-Dichloropropane	9.311	76	36398	19.128	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	78618	93.941	ug/l	94
59) 2-Hexanone	9.427	43	143040	101.797	ug/l	99
60) Dibromochloromethane	9.518	129	21647	19.763	ug/l	99
61) 1,2-Dibromoethane	9.610	107	23115	19.688	ug/l	99
64) Tetrachloroethene	9.275	164	19180	18.737	ug/l	91
65) Chlorobenzene	10.079	112	54170	19.232	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	19388	19.683	ug/l	99
67) Ethyl Benzene	10.195	91	103870	19.658	ug/l	99
68) m/p-Xylenes	10.299	106	75302	39.084	ug/l	95
69) o-Xylene	10.640	106	36956	19.405	ug/l	96
70) Styrene	10.652	104	60416	19.245	ug/l	98
71) Bromoform	10.799	173	14818	18.608	ug/l #	98
73) Isopropylbenzene	10.963	105	99411	20.247	ug/l	100
74) N-amyl acetate	10.841	43	45419	19.937	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	34783	19.817	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	29199m	18.923	ug/l	
77) Bromobenzene	11.201	156	22875	19.067	ug/l	98
78) n-propylbenzene	11.305	91	121945	20.107	ug/l	96
79) 2-Chlorotoluene	11.366	91	70453	19.464	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	84487	20.254	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	8355	18.841	ug/l	93
82) 4-Chlorotoluene	11.457	91	84681	19.962	ug/l	100
83) tert-Butylbenzene	11.713	119	78187	19.886	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	84418	20.058	ug/l	99
85) sec-Butylbenzene	11.890	105	104903	20.042	ug/l	98
86) p-Isopropyltoluene	12.006	119	83251	19.907	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	43978	19.166	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	44911	18.879	ug/l	98
89) n-Butylbenzene	12.335	91	81632	19.839	ug/l	95
90) Hexachloroethane	12.536	117	12969	19.364	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	42167	19.003	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8266	20.651	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	28127	19.689	ug/l	97
94) Hexachlorobutadiene	13.725	225	10690	20.662	ug/l	98
95) Naphthalene	13.774	128	90716	19.789	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	27073	19.684	ug/l	97

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

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