

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
 Data File : VX044469.D
 Acq On : 23 Dec 2024 11:04
 Operator : JC/MD
 Sample : VX1223WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1223WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/26/2024
 Supervised By : Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 21:52:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 12 04:28:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	95798	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	150710	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	126811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	73927	44.013	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.020%		
35) Dibromofluoromethane	5.373	113	56562	54.188	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	108.380%		
50) Toluene-d8	8.641	98	198030	56.235	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	112.460%		
62) 4-Bromofluorobenzene	11.079	95	65766	53.447	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	106.900%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	32007	21.608	ug/l	96
3) Chloromethane	1.294	50	27774	19.607	ug/l	99
4) Vinyl Chloride	1.374	62	27016	18.307	ug/l	98
5) Bromomethane	1.599	94	19188	18.328	ug/l	97
6) Chloroethane	1.666	64	15580	16.955	ug/l	100
7) Trichlorofluoromethane	1.867	101	51943	17.979	ug/l	99
8) Diethyl Ether	2.136	74	16859	17.096	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	25530	21.838	ug/l	97
10) Methyl Iodide	2.447	142	28656	18.599	ug/l	93
11) Tert butyl alcohol	2.989	59	7612	32.156	ug/l #	71
12) 1,1-Dichloroethene	2.306	96	22330	20.796	ug/l	97
13) Acrolein	2.233	56	29440	85.915	ug/l	100
14) Allyl chloride	2.654	41	33412	18.681	ug/l	97
15) Acrylonitrile	3.062	53	61753	94.174	ug/l	99
16) Acetone	2.386	43	63969	93.417	ug/l	95
17) Carbon Disulfide	2.501	76	34775	17.037	ug/l	98
18) Methyl Acetate	2.703	43	32226	18.252	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	74398	17.755	ug/l	99
20) Methylene Chloride	2.788	84	23939	18.613	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	22128	19.390	ug/l	88
22) Diisopropyl ether	3.757	45	72980	18.121	ug/l	91
23) Vinyl Acetate	3.715	43	302197	92.293	ug/l	98
24) 1,1-Dichloroethane	3.605	63	42670	19.007	ug/l	98
25) 2-Butanone	4.556	43	86105	88.449	ug/l	100
26) 2,2-Dichloropropane	4.465	77	37546	20.587	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	26814	18.501	ug/l	98
28) Bromochloromethane	4.897	49	14914	13.548	ug/l	96
29) Tetrahydrofuran	5.007	42	52223	83.576	ug/l	99
30) Chloroform	5.086	83	46014	18.243	ug/l	98
31) Cyclohexane	5.452	56	38325	21.141	ug/l	91
32) 1,1,1-Trichloroethane	5.373	97	41484	19.813	ug/l	99
36) 1,1-Dichloropropene	5.684	75	30587	22.670	ug/l	98
37) Ethyl Acetate	4.708	43	33570	20.128	ug/l #	92
38) Carbon Tetrachloride	5.672	117	32313	22.245	ug/l	97
39) Methylcyclohexane	7.373	83	40845	25.322	ug/l	98
40) Benzene	6.031	78	95198	23.238	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	17284	19.516	ug/l	96
42) 1,2-Dichloroethane	6.086	62	36432	21.589	ug/l	97
43) Isopropyl Acetate	6.336	43	51199	19.640	ug/l	99
44) Trichloroethene	7.123	130	24449	23.933	ug/l	88
45) 1,2-Dichloropropane	7.421	63	22822	21.806	ug/l	99
46) Dibromomethane	7.574	93	18329	22.574	ug/l	94
47) Bromodichloromethane	7.818	83	29719	21.193	ug/l	99
48) Methyl methacrylate	7.696	41	24119	19.060	ug/l	97
49) 1,4-Dioxane	7.677	88	9452	450.519	ug/l #	85
51) 4-Methyl-2-Pentanone	8.574	43	163383	97.476	ug/l	100
52) Toluene	8.714	92	56873	22.108	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	27893	19.736	ug/l	92
54) cis-1,3-Dichloropropene	8.360	75	32357	21.192	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	23112	22.615	ug/l	93
56) Ethyl methacrylate	9.116	69	32351	20.051	ug/l	95
57) 1,3-Dichloropropane	9.305	76	38455	21.618	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.238	63	127285	156.417	ug/l	99
59) 2-Hexanone	9.433	43	118371	97.567	ug/l	98
60) Dibromochloromethane	9.518	129	19798	19.577	ug/l	96
61) 1,2-Dibromoethane	9.604	107	22820	21.936	ug/l	99
64) Tetrachloroethene	9.269	164	22325	26.525	ug/l	96
65) Chlorobenzene	10.079	112	62148	22.871	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	20191	23.120	ug/l	98
67) Ethyl Benzene	10.189	91	102912	21.919	ug/l	95
68) m/p-Xylenes	10.299	106	79048	45.884	ug/l	93
69) o-Xylene	10.640	106	39669	22.757	ug/l	92
70) Styrene	10.652	104	61594	22.042	ug/l	97
71) Bromoform	10.799	173	11959	21.588	ug/l #	100
73) Isopropylbenzene	10.957	105	102207	23.041	ug/l	100
74) N-amyl acetate	10.841	43	38323	18.694	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	34336	22.286	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	28024m	21.661	ug/l	
77) Bromobenzene	11.195	156	26001	24.172	ug/l	90
78) n-propylbenzene	11.305	91	111601	22.763	ug/l	98
79) 2-Chlorotoluene	11.360	91	68806	21.700	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	83725	22.760	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	7722	20.774	ug/l	95
82) 4-Chlorotoluene	11.451	91	77558	22.089	ug/l	98
83) tert-Butylbenzene	11.713	119	82519	22.698	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	81991	22.695	ug/l	96
85) sec-Butylbenzene	11.890	105	100712	22.820	ug/l	98
86) p-Isopropyltoluene	12.006	119	83824	22.820	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	44134	23.489	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	43831	22.693	ug/l	98
89) n-Butylbenzene	12.329	91	68030	22.025	ug/l	99
90) Hexachloroethane	12.536	117	11349	21.165	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	45028	23.080	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	5361	17.924	ug/l	84
93) 1,2,4-Trichlorobenzene	13.585	180	25935	24.247	ug/l	96
94) Hexachlorobutadiene	13.719	225	11361	26.407	ug/l	98
95) Naphthalene	13.774	128	89367	21.405	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	26148	23.049	ug/l	97

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

