

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122823\
 Data File : VX039506.D
 Acq On : 28 Dec 2023 11:17
 Operator : JC/MD
 Sample : VX1228WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1228WBS01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/29/2023
 Supervised By :Semsettin Yesilyurt 01/01/2024

Quant Time: Dec 28 22:46:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	94074	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	174451	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	158846	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	76370	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84732	49.167	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 98.340%			
35) Dibromofluoromethane	5.385	113	61874	51.340	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.680%			
50) Toluene-d8	8.647	98	230575	51.533	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.060%			
62) 4-Bromofluorobenzene	11.079	95	85854	46.506	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.020%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	23894	18.075	ug/l	98
3) Chloromethane	1.294	50	29105	19.860	ug/l	99
4) Vinyl Chloride	1.374	62	26539	19.472	ug/l	94
5) Bromomethane	1.593	94	14272	18.201	ug/l	97
6) Chloroethane	1.660	64	11861	14.441	ug/l	98
7) Trichlorofluoromethane	1.874	101	39319	19.701	ug/l	97
8) Diethyl Ether	2.136	74	14174	20.520	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	23197	19.047	ug/l	96
10) Methyl Iodide	2.447	142	17955	14.263	ug/l	97
11) Tert butyl alcohol	2.995	59	42607	98.453	ug/l #	93
12) 1,1-Dichloroethene	2.313	96	22346	18.471	ug/l	95
13) Acrolein	2.239	56	38445	111.356	ug/l	99
14) Allyl chloride	2.660	41	46236	18.867	ug/l	95
15) Acrylonitrile	3.069	53	89887	103.767	ug/l	99
16) Acetone	2.386	43	89751	72.936	ug/l	93
17) Carbon Disulfide	2.502	76	60448	17.075	ug/l	100
18) Methyl Acetate	2.703	43	79097	21.220	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	82651	18.891	ug/l	96
20) Methylene Chloride	2.788	84	27400	19.072	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	24045	18.266	ug/l	93
22) Diisopropyl ether	3.764	45	89210	19.998	ug/l	92
23) Vinyl Acetate	3.721	43	327423	98.589	ug/l	98
24) 1,1-Dichloroethane	3.605	63	48917	19.398	ug/l	97
25) 2-Butanone	4.562	43	135108	90.851	ug/l	99
26) 2,2-Dichloropropane	4.471	77	38286	17.390	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	27988	19.263	ug/l	99
28) Bromochloromethane	4.898	49	19581	15.914	ug/l	91
29) Tetrahydrofuran	5.007	42	87273	106.267	ug/l	97
30) Chloroform	5.093	83	48558	19.269	ug/l	99
31) Cyclohexane	5.464	56	41489	18.639	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	40867	18.680	ug/l	96
36) 1,1-Dichloropropene	5.684	75	34624	18.206	ug/l	98
37) Ethyl Acetate	4.721	43	47049	20.024	ug/l	99
38) Carbon Tetrachloride	5.672	117	33240	18.315	ug/l	96
39) Methylcyclohexane	7.379	83	41582	18.202	ug/l	99
40) Benzene	6.038	78	103236	19.190	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	24596	19.620	ug/l	95
42) 1,2-Dichloroethane	6.086	62	40087	18.408	ug/l	99
43) Isopropyl Acetate	6.348	43	72745	19.039	ug/l	99
44) Trichloroethene	7.129	130	23526	17.329	ug/l	91
45) 1,2-Dichloropropane	7.428	63	29078	20.139	ug/l	97
46) Dibromomethane	7.580	93	19192	18.909	ug/l	94
47) Bromodichloromethane	7.824	83	37995	19.579	ug/l	96
48) Methyl methacrylate	7.696	41	43580	19.510	ug/l	98
49) 1,4-Dioxane	7.665	88	13829	459.291	ug/l #	94
51) 4-Methyl-2-Pentanone	8.574	43	257442	105.751	ug/l	98
52) Toluene	8.720	92	62245	19.170	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	37003	17.319	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	41641	18.114	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	26440	19.505	ug/l	91
56) Ethyl methacrylate	9.116	69	32625	19.715	ug/l	97
57) 1,3-Dichloropropane	9.311	76	44823	19.126	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	95924	98.717	ug/l	93
59) 2-Hexanone	9.433	43	205760	97.934	ug/l	98
60) Dibromochloromethane	9.519	129	25926	18.911	ug/l	97
61) 1,2-Dibromoethane	9.610	107	27702	19.143	ug/l	99
64) Tetrachloroethene	9.269	164	18009	17.350	ug/l	93
65) Chlorobenzene	10.079	112	64194	18.515	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	23130	18.887	ug/l	96
67) Ethyl Benzene	10.195	91	121375	18.807	ug/l	98
68) m/p-Xylenes	10.299	106	86418	37.346	ug/l	94
69) o-Xylene	10.640	106	42442	18.970	ug/l	91
70) Styrene	10.659	104	62757	19.187	ug/l	98
71) Bromoform	10.799	173	17213	18.909	ug/l #	98
73) Isopropylbenzene	10.963	105	115001	19.517	ug/l	99
74) N-amyl acetate	10.842	43	61683	20.691	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	47469	21.656	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	38886m	19.681	ug/l	
77) Bromobenzene	11.201	156	25303	19.419	ug/l	94
78) n-propylbenzene	11.305	91	136645	18.822	ug/l	96
79) 2-Chlorotoluene	11.366	91	82128	18.703	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	98616	19.646	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	12611	18.005	ug/l	96
82) 4-Chlorotoluene	11.451	91	96988	18.804	ug/l	97
83) tert-Butylbenzene	11.713	119	94693	19.822	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	99181	19.268	ug/l	100
85) sec-Butylbenzene	11.890	105	115039	18.924	ug/l	98
86) p-Isopropyltoluene	12.012	119	94607	18.545	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	46976	18.351	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	46948	17.614	ug/l	95
89) n-Butylbenzene	12.329	91	85525	17.054	ug/l	94
90) Hexachloroethane	12.536	117	17241	18.709	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	47150	19.251	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	11116	19.254	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	26631	16.605	ug/l	98
94) Hexachlorobutadiene	13.725	225	10961	18.135	ug/l	99
95) Naphthalene	13.774	128	104624	18.732	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	26740	17.271	ug/l	98

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

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