

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100923\
 Data File : VX038162.D
 Acq On : 09 Oct 2023 11:27
 Operator : JC/MD
 Sample : VX1009WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1009WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/10/2023
 Supervised By : Mahesh Dadoda 10/10/2023

Quant Time: Oct 10 00:52:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	131821	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	224692	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	120206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	99983	47.156	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.320%		
35) Dibromofluoromethane	5.385	113	77510	47.874	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.740%		
50) Toluene-d8	8.647	98	289071	46.724	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.440%		
62) 4-Bromofluorobenzene	11.079	95	111538	47.555	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.100%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	25423	19.980	ug/l	94
3) Chloromethane	1.300	50	24657	19.013	ug/l	93
4) Vinyl Chloride	1.374	62	27812	19.342	ug/l	99
5) Bromomethane	1.605	94	27858	14.140	ug/l	100
6) Chloroethane	1.685	64	20690	19.779	ug/l	97
7) Trichlorofluoromethane	1.886	101	54666	19.248	ug/l	99
8) Diethyl Ether	2.130	74	19844	18.734	ug/l	81
9) 1,1,2-Trichlorotrifluo...	2.331	101	24438	19.710	ug/l	95
10) Methyl Iodide	2.453	142	31717	17.779	ug/l	94
11) Tert butyl alcohol	2.946	59	39165	75.958	ug/l #	89
12) 1,1-Dichloroethene	2.319	96	23018	19.085	ug/l	90
13) Acrolein	2.233	56	27433	91.013	ug/l	100
14) Allyl chloride	2.666	41	40050	18.566	ug/l	94
15) Acrylonitrile	3.062	53	90074	93.352	ug/l	99
16) Acetone	2.373	43	79531	89.877	ug/l	90
17) Carbon Disulfide	2.514	76	63246	18.195	ug/l	98
18) Methyl Acetate	2.703	43	72844	19.196	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	87795	18.278	ug/l	96
20) Methylene Chloride	2.788	84	29599	17.783	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	27557	18.454	ug/l	94
22) Diisopropyl ether	3.757	45	84480	18.685	ug/l #	93
23) Vinyl Acetate	3.721	43	315172	95.057	ug/l	95
24) 1,1-Dichloroethane	3.611	63	50083	18.253	ug/l	97
25) 2-Butanone	4.550	43	133040	93.182	ug/l	95
26) 2,2-Dichloropropane	4.477	77	42152	19.677	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	33334	18.743	ug/l	93
28) Bromochloromethane	4.891	49	24995	20.179	ug/l	90
29) Tetrahydrofuran	5.001	42	84342	90.734	ug/l	90
30) Chloroform	5.092	83	56776	18.923	ug/l	93
31) Cyclohexane	5.470	56	42777	18.622	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	49080	19.098	ug/l	99
36) 1,1-Dichloropropene	5.690	75	39732	17.796	ug/l	96
37) Ethyl Acetate	4.714	43	48921	18.450	ug/l	97
38) Carbon Tetrachloride	5.672	117	42134	19.184	ug/l	94
39) Methylcyclohexane	7.385	83	49114	18.781	ug/l	92
40) Benzene	6.037	78	118767	19.019	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	24300	18.422	ug/l #	89
42) 1,2-Dichloroethane	6.086	62	47110	18.882	ug/l	99
43) Isopropyl Acetate	6.336	43	74375	18.789	ug/l	98
44) Trichloroethene	7.129	130	31859	19.506	ug/l	95
45) 1,2-Dichloropropane	7.433	63	30480	18.859	ug/l	100
46) Dibromomethane	7.580	93	23161	18.477	ug/l	95
47) Bromodichloromethane	7.818	83	44127	19.788	ug/l	98
48) Methyl methacrylate	7.690	41	35729	18.908	ug/l	87
49) 1,4-Dioxane	7.659	88	17545	376.784	ug/l #	86
51) 4-Methyl-2-Pentanone	8.573	43	261001	95.594	ug/l	98
52) Toluene	8.720	92	77104	18.955	ug/l	91
53) t-1,3-Dichloropropene	8.976	75	45020	18.808	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	48246	19.184	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	32805	18.855	ug/l	92
56) Ethyl methacrylate	9.116	69	48913	18.336	ug/l	94
57) 1,3-Dichloropropane	9.311	76	52229	18.560	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	105884	80.862	ug/l	99
59) 2-Hexanone	9.427	43	212756	96.929	ug/l	96
60) Dibromochloromethane	9.518	129	34000	19.967	ug/l	99
61) 1,2-Dibromoethane	9.610	107	35701	18.974	ug/l	99
64) Tetrachloroethene	9.275	164	25914	18.370	ug/l	98
65) Chlorobenzene	10.079	112	85679	18.790	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	30060	19.495	ug/l	98
67) Ethyl Benzene	10.195	91	153927	18.912	ug/l	99
68) m/p-Xylenes	10.299	106	116666	37.071	ug/l	100
69) o-Xylene	10.640	106	55827	18.175	ug/l	98
70) Styrene	10.659	104	96070	19.206	ug/l	98
71) Bromoform	10.799	173	24878	19.260	ug/l #	100
73) Isopropylbenzene	10.963	105	152240	18.885	ug/l	99
74) N-amyl acetate	10.841	43	64691	18.792	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	57305	19.373	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	52360m	19.160	ug/l	
77) Bromobenzene	11.201	156	36777	18.686	ug/l	93
78) n-propylbenzene	11.305	91	187152	18.987	ug/l	98
79) 2-Chlorotoluene	11.366	91	107130	18.326	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	131578	18.919	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	15777	19.532	ug/l	94
82) 4-Chlorotoluene	11.451	91	130527	18.869	ug/l	99
83) tert-Butylbenzene	11.713	119	127482	18.759	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	131488	18.962	ug/l	99
85) sec-Butylbenzene	11.890	105	168571	19.149	ug/l	99
86) p-Isopropyltoluene	12.006	119	139324	19.183	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	72754	18.404	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	75815	18.786	ug/l	98
89) n-Butylbenzene	12.335	91	136615	18.887	ug/l	95
90) Hexachloroethane	12.536	117	24192	20.089	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	70548	18.566	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	13978	19.544	ug/l	87
93) 1,2,4-Trichlorobenzene	13.585	180	46546	18.263	ug/l	97
94) Hexachlorobutadiene	13.725	225	19324	18.839	ug/l	97
95) Naphthalene	13.774	128	160672	18.103	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	45273	18.346	ug/l	98

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

