

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101223\
 Data File : VX038248.D
 Acq On : 12 Oct 2023 11:52
 Operator : JC/MD
 Sample : VX1012WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBSD01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/13/2023
 Supervised By :Mahesh Dadoda 10/13/2023

Quant Time: Oct 13 04:45:26 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	5.556	168	138268	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	232475	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	231793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	127424	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	101522	45.649	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.300%		
35) Dibromofluoromethane	5.385	113	79705	47.581	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.160%		
50) Toluene-d8	8.647	98	306107	47.821	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.640%		
62) 4-Bromofluorobenzene	11.079	95	116956	48.195	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	25711	19.264	ug/l	95
3) Chloromethane	1.301	50	24568	18.061	ug/l	99
4) Vinyl Chloride	1.374	62	30262	20.065	ug/l	94
5) Bromomethane	1.605	94	31092	15.102	ug/l	100
6) Chloroethane	1.685	64	23601	21.641	ug/l	98
7) Trichlorofluoromethane	1.886	101	62805	21.082	ug/l	99
8) Diethyl Ether	2.136	74	22699	20.430	ug/l	77
9) 1,1,2-Trichlorotrifluo...	2.331	101	25418	19.545	ug/l	98
10) Methyl Iodide	2.453	142	33961	18.149	ug/l	95
11) Tert butyl alcohol	2.953	59	40947	75.673	ug/l #	90
12) 1,1-Dichloroethene	2.319	96	24313	19.219	ug/l	91
13) Acrolein	2.233	56	27842	88.063	ug/l	99
14) Allyl chloride	2.666	41	39131	17.294	ug/l	93
15) Acrylonitrile	3.062	53	94628	93.499	ug/l	99
16) Acetone	2.374	43	88302	95.136	ug/l	91
17) Carbon Disulfide	2.508	76	56564	15.514	ug/l	100
18) Methyl Acetate	2.703	43	75111	18.871	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	91260	18.113	ug/l	98
20) Methylene Chloride	2.788	84	30179	17.286	ug/l #	87
21) trans-1,2-Dichloroethene	3.093	96	28294	18.064	ug/l	89
22) Diisopropyl ether	3.757	45	85987	18.132	ug/l	96
23) Vinyl Acetate	3.721	43	313142	90.041	ug/l	97
24) 1,1-Dichloroethane	3.605	63	52704	18.313	ug/l	99
25) 2-Butanone	4.550	43	137889	92.075	ug/l	94
26) 2,2-Dichloropropane	4.471	77	38140	16.974	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	34370	18.425	ug/l	90
28) Bromochloromethane	4.897	49	25804	19.861	ug/l	87
29) Tetrahydrofuran	5.001	42	85522	87.714	ug/l #	86
30) Chloroform	5.086	83	59344	18.856	ug/l	95
31) Cyclohexane	5.464	56	40411	16.772	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	49843	18.490	ug/l	100
36) 1,1-Dichloropropene	5.696	75	41984	18.175	ug/l	98
37) Ethyl Acetate	4.715	43	48933	17.837	ug/l	97
38) Carbon Tetrachloride	5.672	117	42215	18.577	ug/l	95
39) Methylcyclohexane	7.385	83	47211	17.449	ug/l	93
40) Benzene	6.038	78	120228	18.609	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	24902	18.247	ug/l #	88
42) 1,2-Dichloroethane	6.086	62	48468	18.776	ug/l	100
43) Isopropyl Acetate	6.336	43	71930	17.563	ug/l #	95
44) Trichloroethene	7.129	130	32960	19.505	ug/l	95
45) 1,2-Dichloropropane	7.428	63	30664	18.338	ug/l	100
46) Dibromomethane	7.580	93	24465	18.864	ug/l	97
47) Bromodichloromethane	7.824	83	43673	18.929	ug/l	99
48) Methyl methacrylate	7.690	41	36139	18.484	ug/l	86
49) 1,4-Dioxane	7.653	88	19204	398.605	ug/l #	86
51) 4-Methyl-2-Pentanone	8.574	43	271440	96.089	ug/l	97
52) Toluene	8.720	92	81441	19.351	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	43894	17.724	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	47697	18.331	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	35075	19.484	ug/l	100
56) Ethyl methacrylate	9.116	69	49002	17.754	ug/l	93
57) 1,3-Dichloropropane	9.311	76	56195	19.301	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	127676	94.240	ug/l	100
59) 2-Hexanone	9.427	43	220949	97.292	ug/l	95
60) Dibromochloromethane	9.519	129	33775	19.170	ug/l	98
61) 1,2-Dibromoethane	9.610	107	37703	19.368	ug/l	100
64) Tetrachloroethene	9.275	164	27385	18.250	ug/l	98
65) Chlorobenzene	10.079	112	91677	18.901	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	31267	19.063	ug/l	96
67) Ethyl Benzene	10.195	91	163351	18.867	ug/l	99
68) m/p-Xylenes	10.299	106	123953	37.026	ug/l	99
69) o-Xylene	10.640	106	59909	18.336	ug/l	98
70) Styrene	10.659	104	101443	19.065	ug/l	97
71) Bromoform	10.799	173	24691	18.161	ug/l #	99
73) Isopropylbenzene	10.963	105	162511	19.017	ug/l	100
74) N-amyl acetate	10.842	43	65155	17.855	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	62551	19.948	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	55040m	19.000	ug/l	
77) Bromobenzene	11.195	156	40154	19.246	ug/l	92
78) n-propylbenzene	11.305	91	196907	18.845	ug/l	99
79) 2-Chlorotoluene	11.366	91	115976	18.716	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	139696	18.948	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	13745	16.771	ug/l	94
82) 4-Chlorotoluene	11.451	91	135730	18.510	ug/l	98
83) tert-Butylbenzene	11.713	119	133796	18.573	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	140095	19.059	ug/l	99
85) sec-Butylbenzene	11.890	105	176335	18.896	ug/l	100
86) p-Isopropyltoluene	12.012	119	144709	18.795	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	78590	18.755	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	79541	18.593	ug/l	99
89) n-Butylbenzene	12.335	91	138067	18.006	ug/l	97
90) Hexachloroethane	12.542	117	23326	18.273	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	76132	18.901	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	14230	18.769	ug/l	87
93) 1,2,4-Trichlorobenzene	13.591	180	50903	18.842	ug/l	98
94) Hexachlorobutadiene	13.725	225	21322	19.609	ug/l	99
95) Naphthalene	13.774	128	174531	18.551	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	50307	19.231	ug/l	97

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

