

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101023\
 Data File : VX038189.D
 Acq On : 10 Oct 2023 10:29
 Operator : JC/MD
 Sample : VX1010WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/11/2023
 Supervised By : Mahesh Dadoda 10/11/2023

Quant Time: Oct 11 01:33:43 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	132671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	223198	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	222085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	121586	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	106688	49.996	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.000%			
35) Dibromofluoromethane	5.385	113	82245	51.138	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.280%			
50) Toluene-d8	8.647	98	306703	49.906	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.820%			
62) 4-Bromofluorobenzene	11.079	95	117927	50.615	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.240%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	25914	20.236	ug/l	99
3) Chloromethane	1.300	50	25654	19.655	ug/l	99
4) Vinyl Chloride	1.374	62	28573	19.744	ug/l	97
5) Bromomethane	1.605	94	28667	14.477	ug/l	92
6) Chloroethane	1.684	64	21021	19.982	ug/l	99
7) Trichlorofluoromethane	1.892	101	56403	19.732	ug/l	96
8) Diethyl Ether	2.136	74	20159	18.910	ug/l	81
9) 1,1,2-Trichlorotrifluo...	2.331	101	25284	20.262	ug/l	99
10) Methyl Iodide	2.453	142	33567	18.695	ug/l	94
11) Tert butyl alcohol	2.953	59	42716	83.285	ug/l #	95
12) 1,1-Dichloroethene	2.318	96	22815	18.796	ug/l	94
13) Acrolein	2.233	56	40455	133.356	ug/l	99
14) Allyl chloride	2.666	41	39987	18.418	ug/l	94
15) Acrylonitrile	3.062	53	93442	96.222	ug/l	99
16) Acetone	2.373	43	92167	103.489	ug/l #	88
17) Carbon Disulfide	2.514	76	60838	17.390	ug/l	99
18) Methyl Acetate	2.703	43	75013	19.641	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	90575	18.736	ug/l	98
20) Methylene Chloride	2.788	84	30041	17.933	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	28462	18.938	ug/l	89
22) Diisopropyl ether	3.757	45	85867	18.870	ug/l	96
23) Vinyl Acetate	3.721	43	320879	96.158	ug/l	97
24) 1,1-Dichloroethane	3.611	63	52176	18.894	ug/l	99
25) 2-Butanone	4.550	43	138785	96.583	ug/l #	88
26) 2,2-Dichloropropane	4.477	77	41109	19.067	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	34102	19.052	ug/l	93
28) Bromochloromethane	4.903	49	23644	18.966	ug/l	90
29) Tetrahydrofuran	5.001	42	86718	92.693	ug/l	89
30) Chloroform	5.092	83	59649	19.753	ug/l	97
31) Cyclohexane	5.470	56	43113	18.648	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	49472	19.127	ug/l	98
36) 1,1-Dichloropropene	5.690	75	41067	18.517	ug/l	97
37) Ethyl Acetate	4.714	43	52186	19.813	ug/l	99
38) Carbon Tetrachloride	5.678	117	42366	19.418	ug/l	96
39) Methylcyclohexane	7.379	83	50593	19.476	ug/l	94
40) Benzene	6.037	78	123189	19.859	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	24794	18.923	ug/l #	88
42) 1,2-Dichloroethane	6.086	62	48929	19.743	ug/l	99
43) Isopropyl Acetate	6.342	43	73511	18.695	ug/l	97
44) Trichloroethene	7.122	130	32416	19.980	ug/l	93
45) 1,2-Dichloropropane	7.427	63	31158	19.408	ug/l	99
46) Dibromomethane	7.580	93	24225	19.455	ug/l	95
47) Bromodichloromethane	7.824	83	44794	20.222	ug/l	99
48) Methyl methacrylate	7.689	41	36605	19.501	ug/l	86
49) 1,4-Dioxane	7.659	88	18210	393.683	ug/l #	89
51) 4-Methyl-2-Pentanone	8.573	43	267779	98.733	ug/l	98
52) Toluene	8.720	92	77979	19.298	ug/l	91
53) t-1,3-Dichloropropene	8.976	75	45004	18.927	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	49448	19.794	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	34011	19.679	ug/l	94
56) Ethyl methacrylate	9.116	69	49072	18.518	ug/l	94
57) 1,3-Dichloropropane	9.305	76	55418	19.825	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	125247	96.290	ug/l	99
59) 2-Hexanone	9.427	43	220441	101.103	ug/l	97
60) Dibromochloromethane	9.518	129	33751	19.953	ug/l	99
61) 1,2-Dibromoethane	9.610	107	36851	19.717	ug/l	100
64) Tetrachloroethene	9.275	164	27606	19.201	ug/l	94
65) Chlorobenzene	10.079	112	87499	18.828	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	30973	19.709	ug/l	99
67) Ethyl Benzene	10.195	91	157785	19.021	ug/l	100
68) m/p-Xylenes	10.299	106	119622	37.295	ug/l	99
69) o-Xylene	10.640	106	58623	18.726	ug/l	100
70) Styrene	10.652	104	98630	19.347	ug/l	97
71) Bromoform	10.799	173	24533	18.728	ug/l #	99
73) Isopropylbenzene	10.963	105	154670	18.969	ug/l	99
74) N-amyl acetate	10.841	43	65314	18.758	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	60781	20.314	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	53707m	19.430	ug/l	
77) Bromobenzene	11.195	156	37806	18.991	ug/l	94
78) n-propylbenzene	11.305	91	189778	19.035	ug/l	98
79) 2-Chlorotoluene	11.366	91	111338	18.830	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	135186	19.217	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	15151	18.748	ug/l	99
82) 4-Chlorotoluene	11.457	91	132218	18.897	ug/l	97
83) tert-Butylbenzene	11.713	119	131516	19.133	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	137516	19.606	ug/l	99
85) sec-Butylbenzene	11.890	105	172892	19.417	ug/l	100
86) p-Isopropyltoluene	12.012	119	143556	19.541	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	75895	18.981	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	76798	18.813	ug/l	98
89) n-Butylbenzene	12.335	91	138587	18.942	ug/l	95
90) Hexachloroethane	12.536	117	23525	19.314	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	74158	19.295	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.938	75	13964	19.303	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	48912	18.974	ug/l	96
94) Hexachlorobutadiene	13.725	225	20406	19.668	ug/l	99
95) Naphthalene	13.774	128	163610	18.225	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	47265	18.936	ug/l	99

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

