

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102723\
 Data File : VX038593.D
 Acq On : 27 Oct 2023 11:34
 Operator : JC/MD
 Sample : VX1027WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1027WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/30/2023
 Supervised By : Mahesh Dadoda 10/30/2023

Quant Time: Oct 30 01:27:19 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	198686	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	315626	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	313522	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	182954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	140438	43.945	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	87.900%		
35) Dibromofluoromethane	5.385	113	125126	55.018	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	110.040%		
50) Toluene-d8	8.647	98	410867	47.277	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.560%		
62) 4-Bromofluorobenzene	11.079	95	170684	51.806	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.620%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	32698	17.050	ug/l	96
3) Chloromethane	1.301	50	31044	15.882	ug/l	100
4) Vinyl Chloride	1.374	62	34055	15.714	ug/l	98
5) Bromomethane	1.605	94	41474	13.956	ug/l	100
6) Chloroethane	1.685	64	24203	14.918	ug/l	100
7) Trichlorofluoromethane	1.886	101	60574	14.150	ug/l	100
8) Diethyl Ether	2.130	74	25341	15.873	ug/l	75
9) 1,1,2-Trichlorotrifluo...	2.331	101	36316	19.433	ug/l	92
10) Methyl Iodide	2.453	142	48961	18.209	ug/l	93
11) Tert butyl alcohol	2.953	59	65562	85.646	ug/l	# 94
12) 1,1-Dichloroethene	2.319	96	32831	18.061	ug/l	83
13) Acrolein	2.233	56	56486	124.334	ug/l	100
14) Allyl chloride	2.660	41	52723	16.215	ug/l	# 96
15) Acrylonitrile	3.056	53	135504	93.174	ug/l	99
16) Acetone	2.374	43	123092	92.291	ug/l	91
17) Carbon Disulfide	2.508	76	73751	14.077	ug/l	98
18) Methyl Acetate	2.703	43	111774	19.542	ug/l	# 90
19) Methyl tert-butyl Ether	3.111	73	133892	18.494	ug/l	95
20) Methylene Chloride	2.788	84	44760	17.842	ug/l	85
21) trans-1,2-Dichloroethene	3.093	96	37831	16.808	ug/l	89
22) Diisopropyl ether	3.757	45	115284	16.917	ug/l	# 94
23) Vinyl Acetate	3.721	43	416088	83.261	ug/l	# 93
24) 1,1-Dichloroethane	3.611	63	69823	16.883	ug/l	96
25) 2-Butanone	4.550	43	185558	86.228	ug/l	# 89
26) 2,2-Dichloropropane	4.477	77	51251	15.873	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	47931	17.881	ug/l	87
28) Bromochloromethane	4.898	49	31941	17.109	ug/l	# 69
29) Tetrahydrofuran	5.001	42	117335	83.748	ug/l	# 85
30) Chloroform	5.093	83	79814	17.649	ug/l	95
31) Cyclohexane	5.465	56	49301	14.239	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	64793	16.727	ug/l	97
36) 1,1-Dichloropropene	5.690	75	50354	16.056	ug/l	94
37) Ethyl Acetate	4.709	43	66532	17.863	ug/l	96
38) Carbon Tetrachloride	5.672	117	56078	18.176	ug/l	97
39) Methylcyclohexane	7.379	83	59033	16.070	ug/l	89
40) Benzene	6.038	78	161085	18.364	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	33922	18.308	ug/l #	85
42) 1,2-Dichloroethane	6.086	62	64770	18.481	ug/l	97
43) Isopropyl Acetate	6.336	43	96666	17.385	ug/l #	93
44) Trichloroethene	7.123	130	46678	20.345	ug/l	96
45) 1,2-Dichloropropane	7.428	63	42748	18.829	ug/l	100
46) Dibromomethane	7.580	93	35479	20.149	ug/l	91
47) Bromodichloromethane	7.818	83	62246	19.872	ug/l	99
48) Methyl methacrylate	7.690	41	47443	17.873	ug/l #	82
49) 1,4-Dioxane	7.659	88	23331	356.687	ug/l #	84
51) 4-Methyl-2-Pentanone	8.574	43	354364	92.396	ug/l	94
52) Toluene	8.720	92	106302	18.604	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	61692	18.348	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	67285	19.047	ug/l	89
55) 1,1,2-Trichloroethane	9.153	97	50561	20.687	ug/l	94
56) Ethyl methacrylate	9.116	69	69605	18.575	ug/l	91
57) 1,3-Dichloropropane	9.305	76	77830	19.689	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	158227	86.022	ug/l	94
59) 2-Hexanone	9.427	43	282585	91.651	ug/l	93
60) Dibromochloromethane	9.519	129	51914	21.703	ug/l	99
61) 1,2-Dibromoethane	9.610	107	54541	20.636	ug/l	98
64) Tetrachloroethene	9.275	164	40112	19.763	ug/l	97
65) Chlorobenzene	10.080	112	126601	19.297	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	47488	21.406	ug/l	99
67) Ethyl Benzene	10.195	91	208501	17.805	ug/l	99
68) m/p-Xylenes	10.299	106	164585	36.348	ug/l	96
69) o-Xylene	10.640	106	80693	18.259	ug/l	96
70) Styrene	10.653	104	138335	19.221	ug/l	96
71) Bromoform	10.799	173	39981	21.177	ug/l #	96
73) Isopropylbenzene	10.964	105	210439	17.151	ug/l	97
74) N-amyl acetate	10.842	43	83439	15.925	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	86178	19.141	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	75648m	18.188	ug/l	
77) Bromobenzene	11.195	156	59208	19.766	ug/l	84
78) n-propylbenzene	11.305	91	247952	16.527	ug/l	97
79) 2-Chlorotoluene	11.366	91	150574	16.924	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	185068	17.483	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	19977	16.927	ug/l	94
82) 4-Chlorotoluene	11.451	91	179023	17.004	ug/l	93
83) tert-Butylbenzene	11.713	119	182515	17.646	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	186887	17.707	ug/l	98
85) sec-Butylbenzene	11.890	105	229582	17.135	ug/l	99
86) p-Isopropyltoluene	12.006	119	193921	17.542	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	113398	18.848	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	116306	18.935	ug/l	98
89) n-Butylbenzene	12.335	91	169823	15.426	ug/l	97
90) Hexachloroethane	12.536	117	31381	17.122	ug/l	83
91) 1,2-Dichlorobenzene	12.335	146	112205	19.402	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19740	18.134	ug/l	71
93) 1,2,4-Trichlorobenzene	13.585	180	78291	20.184	ug/l	97
94) Hexachlorobutadiene	13.725	225	29192	18.698	ug/l	99
95) Naphthalene	13.774	128	254723	18.857	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	77685	20.684	ug/l	96

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

