

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110923\
 Data File : VX038673.D
 Acq On : 09 Nov 2023 12:23
 Operator : JC/MD
 Sample : VX1109WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1109WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/10/2023
 Supervised By : Mahesh Dadoda 11/13/2023

Quant Time: Nov 10 03:36:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	320459	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	485101	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	467867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	268061	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	194230	48.684	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.360%		
35) Dibromofluoromethane	5.385	113	171493	49.084	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.160%		
50) Toluene-d8	8.647	98	605430	48.425	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.860%		
62) 4-Bromofluorobenzene	11.079	95	240405	49.595	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.200%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	62565	18.800	ug/l	100
3) Chloromethane	1.301	50	48715	16.936	ug/l	98
4) Vinyl Chloride	1.374	62	54293	17.730	ug/l	96
5) Bromomethane	1.605	94	44854	18.978	ug/l	97
6) Chloroethane	1.691	64	35228	18.169	ug/l	99
7) Trichlorofluoromethane	1.892	101	99199	18.791	ug/l	99
8) Diethyl Ether	2.136	74	33615	18.549	ug/l	77
9) 1,1,2-Trichlorotrifluo...	2.331	101	58749	18.821	ug/l	90
10) Methyl Iodide	2.453	142	78327	20.318	ug/l	93
11) Tert butyl alcohol	2.953	59	66562	81.613	ug/l	# 92
12) 1,1-Dichloroethene	2.319	96	54103	18.091	ug/l	82
13) Acrolein	2.233	56	61758	99.908	ug/l	100
14) Allyl chloride	2.666	41	75093	17.530	ug/l	# 95
15) Acrylonitrile	3.062	53	163046	94.727	ug/l	99
16) Acetone	2.374	43	163613	97.376	ug/l	# 89
17) Carbon Disulfide	2.514	76	135825	17.092	ug/l	99
18) Methyl Acetate	2.703	43	133742	18.683	ug/l	# 87
19) Methyl tert-butyl Ether	3.111	73	181804	19.010	ug/l	95
20) Methylene Chloride	2.788	84	63097	18.629	ug/l	# 81
21) trans-1,2-Dichloroethene	3.093	96	59804	18.368	ug/l	83
22) Diisopropyl ether	3.757	45	151071	18.712	ug/l	# 94
23) Vinyl Acetate	3.721	43	547331	95.514	ug/l	# 91
24) 1,1-Dichloroethane	3.611	63	97099	18.179	ug/l	97
25) 2-Butanone	4.550	43	226472	93.045	ug/l	# 86
26) 2,2-Dichloropropane	4.477	77	81400	17.454	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	69526	18.492	ug/l	85
28) Bromochloromethane	4.897	49	48648	20.267	ug/l	# 58
29) Tetrahydrofuran	5.001	42	140776	92.960	ug/l	# 81
30) Chloroform	5.093	83	114225	18.226	ug/l	92
31) Cyclohexane	5.471	56	78194	17.709	ug/l	# 87
32) 1,1,1-Trichloroethane	5.379	97	101009	18.314	ug/l	95
36) 1,1-Dichloropropene	5.690	75	77959	17.963	ug/l	94
37) Ethyl Acetate	4.715	43	83329	18.806	ug/l	# 93
38) Carbon Tetrachloride	5.678	117	88936	18.330	ug/l	100
39) Methylcyclohexane	7.379	83	98213	18.100	ug/l	92
40) Benzene	6.038	78	230639	18.450	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	43346	19.201	ug/l #	87
42) 1,2-Dichloroethane	6.086	62	87276	19.350	ug/l	96
43) Isopropyl Acetate	6.336	43	124733	18.310	ug/l #	92
44) Trichloroethene	7.129	130	72087	18.534	ug/l	89
45) 1,2-Dichloropropane	7.428	63	56613	18.734	ug/l	99
46) Dibromomethane	7.580	93	48278	19.104	ug/l #	86
47) Bromodichloromethane	7.818	83	87586	18.429	ug/l	95
48) Methyl methacrylate	7.690	41	62702	19.099	ug/l #	86
49) 1,4-Dioxane	7.659	88	25904	346.597	ug/l #	85
51) 4-Methyl-2-Pentanone	8.574	43	428107	96.454	ug/l	92
52) Toluene	8.714	92	154525	18.870	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	89670	18.532	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	95027	18.603	ug/l #	87
55) 1,1,2-Trichloroethane	9.153	97	67473	19.419	ug/l	95
56) Ethyl methacrylate	9.116	69	93633	19.261	ug/l	86
57) 1,3-Dichloropropane	9.305	76	105018	19.405	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	248365	103.913	ug/l	90
59) 2-Hexanone	9.427	43	346516	96.487	ug/l	91
60) Dibromochloromethane	9.519	129	74178	19.018	ug/l	100
61) 1,2-Dibromoethane	9.610	107	76271	19.532	ug/l	100
64) Tetrachloroethene	9.275	164	64526	18.425	ug/l	94
65) Chlorobenzene	10.079	112	182593	19.171	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	68362	19.093	ug/l	99
67) Ethyl Benzene	10.195	91	303838	18.860	ug/l	98
68) m/p-Xylenes	10.299	106	241689	37.799	ug/l	96
69) o-Xylene	10.640	106	116131	18.677	ug/l	97
70) Styrene	10.653	104	196368	19.135	ug/l	95
71) Bromoform	10.799	173	57499	18.195	ug/l #	97
73) Isopropylbenzene	10.963	105	310500	18.881	ug/l	98
74) N-amyl acetate	10.842	43	103755	18.158	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.213	83	107016	18.823	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	100103m	18.856	ug/l	
77) Bromobenzene	11.195	156	84814	18.791	ug/l	83
78) n-propylbenzene	11.305	91	361965	18.914	ug/l	97
79) 2-Chlorotoluene	11.366	91	218340	19.057	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	269861	19.066	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	28249	18.236	ug/l	90
82) 4-Chlorotoluene	11.451	91	256175	19.139	ug/l	94
83) tert-Butylbenzene	11.713	119	267686	18.665	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	269512	19.199	ug/l	96
85) sec-Butylbenzene	11.890	105	331306	18.513	ug/l	97
86) p-Isopropyltoluene	12.006	119	292598	19.193	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	160936	18.650	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	163526	18.437	ug/l	98
89) n-Butylbenzene	12.329	91	252147	18.587	ug/l	96
90) Hexachloroethane	12.536	117	46165	17.878	ug/l	76
91) 1,2-Dichlorobenzene	12.335	146	157315	18.667	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	26744	18.716	ug/l	72
93) 1,2,4-Trichlorobenzene	13.585	180	113308	18.798	ug/l	97
94) Hexachlorobutadiene	13.725	225	49009	18.843	ug/l	98
95) Naphthalene	13.774	128	351464	19.330	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	112788	18.984	ug/l	97

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

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