

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090923\
 Data File : VX037620.D
 Acq On : 09 Sep 2023 12:09
 Operator : JC/MD
 Sample : VX0909WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0909WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/11/2023
 Supervised By : Mahesh Dadoda 09/11/2023

Quant Time: Sep 11 01:19:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090823W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 09 06:38:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	159462	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	262421	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	242234	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	124630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	97487	45.289	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.580%		
35) Dibromofluoromethane	5.385	113	86477	47.114	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.220%		
50) Toluene-d8	8.647	98	320877	47.664	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.320%		
62) 4-Bromofluorobenzene	11.079	95	123369	48.624	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.240%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	30535	18.868	ug/l	98
3) Chloromethane	1.307	50	31671	17.482	ug/l	98
4) Vinyl Chloride	1.374	62	32641	17.489	ug/l	99
5) Bromomethane	1.599	94	19450	23.519	ug/l	98
6) Chloroethane	1.684	64	20761	21.830	ug/l	99
7) Trichlorofluoromethane	1.886	101	49222	19.406	ug/l	98
8) Diethyl Ether	2.136	74	19402	17.210	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.331	101	31190	18.385	ug/l	94
10) Methyl Iodide	2.453	142	39598	17.996	ug/l	92
11) Tert butyl alcohol	2.965	59	41534	86.229	ug/l	# 94
12) 1,1-Dichloroethene	2.319	96	30036	17.540	ug/l	# 79
13) Acrolein	2.239	56	43355	91.552	ug/l	98
14) Allyl chloride	2.666	41	42581	17.733	ug/l	# 85
15) Acrylonitrile	3.068	53	94272	89.771	ug/l	97
16) Acetone	2.379	43	75721	85.541	ug/l	# 85
17) Carbon Disulfide	2.514	76	70274	16.386	ug/l	99
18) Methyl Acetate	2.703	43	64538	17.970	ug/l	# 84
19) Methyl tert-butyl Ether	3.117	73	107087	17.639	ug/l	95
20) Methylene Chloride	2.788	84	36686	17.312	ug/l	# 86
21) trans-1,2-Dichloroethene	3.093	96	32841	17.168	ug/l	84
22) Diisopropyl ether	3.763	45	91745	18.043	ug/l	# 85
23) Vinyl Acetate	3.721	43	332409	91.574	ug/l	# 90
24) 1,1-Dichloroethane	3.611	63	57034	17.212	ug/l	96
25) 2-Butanone	4.556	43	117484	87.511	ug/l	# 84
26) 2,2-Dichloropropane	4.477	77	44486	18.211	ug/l	94
27) cis-1,2-Dichloroethene	4.495	96	38701	16.978	ug/l	87
28) Bromochloromethane	4.897	49	27560	19.054	ug/l	# 70
29) Tetrahydrofuran	5.007	42	76403	88.835	ug/l	# 81
30) Chloroform	5.092	83	62599	17.607	ug/l	100
31) Cyclohexane	5.470	56	48368	18.468	ug/l	# 84
32) 1,1,1-Trichloroethane	5.385	97	54137	17.680	ug/l	95
36) 1,1-Dichloropropene	5.696	75	43834	18.077	ug/l	96
37) Ethyl Acetate	4.721	43	45109	18.144	ug/l	# 91
38) Carbon Tetrachloride	5.678	117	47129	18.806	ug/l	99
39) Methylcyclohexane	7.379	83	57120	19.319	ug/l	88
40) Benzene	6.037	78	136705	18.323	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	23597	18.631	ug/l #	83
42) 1,2-Dichloroethane	6.086	62	46586	18.647	ug/l	91
43) Isopropyl Acetate	6.342	43	69380	18.631	ug/l #	87
44) Trichloroethene	7.129	130	36573	17.846	ug/l	92
45) 1,2-Dichloropropane	7.433	63	34138	18.683	ug/l	98
46) Dibromomethane	7.580	93	25269	18.427	ug/l #	89
47) Bromodichloromethane	7.824	83	46693	18.634	ug/l	97
48) Methyl methacrylate	7.696	41	33684	18.900	ug/l #	76
49) 1,4-Dioxane	7.659	88	20778	371.566	ug/l #	87
51) 4-Methyl-2-Pentanone	8.573	43	227325	95.987	ug/l #	87
52) Toluene	8.720	92	89540	18.477	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	47835	18.385	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	54436	18.805	ug/l #	83
55) 1,1,2-Trichloroethane	9.153	97	38664	19.189	ug/l	99
56) Ethyl methacrylate	9.116	69	55967	19.064	ug/l #	79
57) 1,3-Dichloropropane	9.311	76	63276	18.844	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	148796	100.176	ug/l	92
59) 2-Hexanone	9.433	43	174616	96.671	ug/l	83
60) Dibromochloromethane	9.525	129	38159	19.021	ug/l	100
61) 1,2-Dibromoethane	9.610	107	40598	18.816	ug/l	98
64) Tetrachloroethene	9.275	164	31969	18.847	ug/l	97
65) Chlorobenzene	10.079	112	98012	18.416	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	35612	18.881	ug/l	99
67) Ethyl Benzene	10.195	91	169696	18.758	ug/l	97
68) m/p-Xylenes	10.299	106	135058	37.952	ug/l	96
69) o-Xylene	10.640	106	66421	18.771	ug/l	97
70) Styrene	10.658	104	109831	19.091	ug/l	95
71) Bromoform	10.799	173	26942	18.887	ug/l #	100
73) Isopropylbenzene	10.963	105	174784	18.671	ug/l	98
74) N-amyl acetate	10.841	43	61076	18.927	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	11.213	83	61155	18.798	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	49002m	16.795	ug/l	
77) Bromobenzene	11.195	156	42334	18.269	ug/l	90
78) n-propylbenzene	11.305	91	195644	18.792	ug/l	99
79) 2-Chlorotoluene	11.366	91	121467	18.362	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	149671	18.849	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	15347	18.053	ug/l	87
82) 4-Chlorotoluene	11.457	91	139175	18.659	ug/l	97
83) tert-Butylbenzene	11.713	119	151308	18.901	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	149842	18.875	ug/l	95
85) sec-Butylbenzene	11.890	105	182691	18.930	ug/l	99
86) p-Isopropyltoluene	12.012	119	155848	19.068	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	80485	18.255	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	81297	18.126	ug/l	100
89) n-Butylbenzene	12.335	91	126343	18.814	ug/l	99
90) Hexachloroethane	12.536	117	25328	18.237	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	81961	18.662	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	12813	18.499	ug/l	74
93) 1,2,4-Trichlorobenzene	13.585	180	47384	17.838	ug/l	97
94) Hexachlorobutadiene	13.725	225	21700	18.507	ug/l	97
95) Naphthalene	13.774	128	171263	18.457	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	48920	17.829	ug/l	98

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

