

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090923\
 Data File : VX037619.D
 Acq On : 09 Sep 2023 11:42
 Operator : JC/MD
 Sample : VX0909WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0909WBS01

Manual Integrations
 APPROVED

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

Quant Time: Sep 11 01:18:51 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	161819	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	270526	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	251147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	126919	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	99274	45.448	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.900%		
35) Dibromofluoromethane	5.385	113	88969	47.020	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.040%		
50) Toluene-d8	8.647	98	332303	47.883	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.760%		
62) 4-Bromofluorobenzene	11.079	95	124264	47.510	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.020%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	31748	19.332	ug/l	96
3) Chloromethane	1.300	50	32702	17.788	ug/l	97
4) Vinyl Chloride	1.374	62	34730	18.338	ug/l	98
5) Bromomethane	1.599	94	19157	22.827	ug/l	99
6) Chloroethane	1.685	64	22338	23.146	ug/l	98
7) Trichlorofluoromethane	1.886	101	51951	20.183	ug/l	100
8) Diethyl Ether	2.136	74	20104	17.573	ug/l	76
9) 1,1,2-Trichlorotrifluo...	2.325	101	32343	18.787	ug/l	94
10) Methyl Iodide	2.453	142	41428	18.553	ug/l	92
11) Tert butyl alcohol	2.965	59	41474	84.850	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	31441	18.093	ug/l #	75
13) Acrolein	2.239	56	43346	90.200	ug/l	98
14) Allyl chloride	2.666	41	44472	18.251	ug/l #	86
15) Acrylonitrile	3.068	53	93508	87.747	ug/l	98
16) Acetone	2.380	43	78393	87.270	ug/l #	82
17) Carbon Disulfide	2.514	76	72473	16.652	ug/l	98
18) Methyl Acetate	2.703	43	64463	17.688	ug/l #	85
19) Methyl tert-butyl Ether	3.117	73	108732	17.649	ug/l	95
20) Methylene Chloride	2.788	84	37715	17.552	ug/l #	84
21) trans-1,2-Dichloroethene	3.093	96	34092	17.563	ug/l	84
22) Diisopropyl ether	3.763	45	93286	18.079	ug/l #	86
23) Vinyl Acetate	3.727	43	334125	90.706	ug/l #	90
24) 1,1-Dichloroethane	3.611	63	59573	17.717	ug/l	95
25) 2-Butanone	4.556	43	119956	88.051	ug/l #	84
26) 2,2-Dichloropropane	4.477	77	47224	19.050	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	41029	17.737	ug/l	86
28) Bromochloromethane	4.897	49	28351	19.316	ug/l #	70
29) Tetrahydrofuran	5.007	42	75604	86.626	ug/l #	80
30) Chloroform	5.092	83	65976	18.287	ug/l	100
31) Cyclohexane	5.470	56	50097	18.849	ug/l	87
32) 1,1,1-Trichloroethane	5.379	97	56897	18.310	ug/l	96
36) 1,1-Dichloropropene	5.696	75	45089	18.037	ug/l	95
37) Ethyl Acetate	4.714	43	44162	17.230	ug/l #	90
38) Carbon Tetrachloride	5.678	117	48874	18.918	ug/l	97
39) Methylcyclohexane	7.379	83	57353	18.817	ug/l	90
40) Benzene	6.037	78	141935	18.454	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	23180	17.754	ug/l #	84
42) 1,2-Dichloroethane	6.086	62	47039	18.264	ug/l	91
43) Isopropyl Acetate	6.342	43	68743	17.907	ug/l #	88
44) Trichloroethene	7.129	130	38548	18.246	ug/l	92
45) 1,2-Dichloropropane	7.433	63	35153	18.662	ug/l	97
46) Dibromomethane	7.586	93	26117	18.475	ug/l	92
47) Bromodichloromethane	7.824	83	47711	18.470	ug/l	96
48) Methyl methacrylate	7.696	41	34004	18.508	ug/l #	77
49) 1,4-Dioxane	7.659	88	20626	357.797	ug/l #	89
51) 4-Methyl-2-Pentanone	8.574	43	227369	93.129	ug/l #	87
52) Toluene	8.720	92	93740	18.764	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	48637	18.133	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	55438	18.577	ug/l #	81
55) 1,1,2-Trichloroethane	9.153	97	38675	18.620	ug/l	97
56) Ethyl methacrylate	9.116	69	56341	18.616	ug/l #	80
57) 1,3-Dichloropropane	9.311	76	63306	18.288	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	149768	97.810	ug/l	91
59) 2-Hexanone	9.433	43	176815	94.955	ug/l	83
60) Dibromochloromethane	9.525	129	38443	18.588	ug/l	100
61) 1,2-Dibromoethane	9.610	107	41694	18.745	ug/l	100
64) Tetrachloroethene	9.275	164	32637	18.558	ug/l	97
65) Chlorobenzene	10.079	112	100348	18.186	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	36881	18.860	ug/l	98
67) Ethyl Benzene	10.195	91	174654	18.621	ug/l	98
68) m/p-Xylenes	10.299	106	138278	37.477	ug/l	96
69) o-Xylene	10.640	106	69016	18.812	ug/l	96
70) Styrene	10.659	104	113377	19.008	ug/l	95
71) Bromoform	10.799	173	27223	18.424	ug/l #	99
73) Isopropylbenzene	10.963	105	178678	18.742	ug/l	98
74) N-amyl acetate	10.841	43	60849	18.516	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.213	83	61367	18.523	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	49589m	16.690	ug/l	
77) Bromobenzene	11.201	156	43915	18.610	ug/l	89
78) n-propylbenzene	11.305	91	199861	18.851	ug/l	99
79) 2-Chlorotoluene	11.366	91	124994	18.555	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	153558	18.990	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	15917	18.341	ug/l	86
82) 4-Chlorotoluene	11.457	91	140387	18.482	ug/l	98
83) tert-Butylbenzene	11.713	119	152087	18.655	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	151042	18.683	ug/l	96
85) sec-Butylbenzene	11.890	105	184850	18.809	ug/l	99
86) p-Isopropyltoluene	12.012	119	157103	18.875	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	80590	17.949	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	80047	17.525	ug/l	99
89) n-Butylbenzene	12.335	91	125893	18.409	ug/l	99
90) Hexachloroethane	12.536	117	26273	18.576	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	81450	18.212	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	12620	17.891	ug/l	77
93) 1,2,4-Trichlorobenzene	13.585	180	47429	17.533	ug/l	98
94) Hexachlorobutadiene	13.725	225	22689	19.001	ug/l	98
95) Naphthalene	13.774	128	166882	17.660	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	47477	16.991	ug/l	97

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

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