

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031723\
 Data File : VX034577.D
 Acq On : 17 Mar 2023 12:19
 Operator : JC/MD
 Sample : VX0317WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0317WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/20/2023
 Supervised By : Mahesh Dadoda 03/20/2023

Quant Time: Mar 19 23:57:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	243709	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	410742	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	412932	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	209341	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	191467	54.003	ug/l	0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.000%	
35) Dibromofluoromethane	5.385	113	145042	53.483	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.960%	
50) Toluene-d8	8.646	98	534246	52.772	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.540%	
62) 4-Bromofluorobenzene	11.079	95	248079	60.667	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 121.340%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	51965	22.872	ug/l	98
3) Chloromethane	1.306	50	68335	19.042	ug/l	95
4) Vinyl Chloride	1.373	62	66561	21.516	ug/l	98
5) Bromomethane	1.599	94	45396	29.084	ug/l	97
6) Chloroethane	1.684	64	41913	23.531	ug/l	100
7) Trichlorofluoromethane	1.885	101	107540	23.135	ug/l	98
8) Diethyl Ether	2.129	74	37730	22.235	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.324	101	55059	20.324	ug/l	97
10) Methyl Iodide	2.452	142	74906	21.061	ug/l	97
11) Tert butyl alcohol	2.952	59	71488	96.825	ug/l	100
12) 1,1-Dichloroethene	2.318	96	52830	19.802	ug/l	91
13) Acrolein	2.233	56	58223	99.683	ug/l	98
14) Allyl chloride	2.660	41	105744	19.550	ug/l	97
15) Acrylonitrile	3.062	53	174374	109.332	ug/l	99
16) Acetone	2.373	43	147363	88.236	ug/l	96
17) Carbon Disulfide	2.513	76	131892	17.566	ug/l	100
18) Methyl Acetate	2.702	43	124603	22.833	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	200353	20.974	ug/l	98
20) Methylene Chloride	2.788	84	64868	20.013	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	57452	20.277	ug/l	96
22) Diisopropyl ether	3.757	45	218359	21.174	ug/l	97
23) Vinyl Acetate	3.721	43	812647	103.540	ug/l	99
24) 1,1-Dichloroethane	3.611	63	114988	20.742	ug/l	99
25) 2-Butanone	4.556	43	248701	104.073	ug/l	98
26) 2,2-Dichloropropane	4.476	77	94630	19.638	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	69488	20.373	ug/l	99
28) Bromochloromethane	4.897	49	51802	20.097	ug/l	99
29) Tetrahydrofuran	5.001	42	161926	109.812	ug/l	100
30) Chloroform	5.092	83	116148	21.374	ug/l	99
31) Cyclohexane	5.470	56	103660	20.847	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	100271	20.844	ug/l	99
36) 1,1-Dichloropropene	5.690	75	84569	20.303	ug/l	98
37) Ethyl Acetate	4.714	43	99336	21.830	ug/l	99
38) Carbon Tetrachloride	5.677	117	82049	19.801	ug/l	99
39) Methylcyclohexane	7.385	83	101189	20.300	ug/l	98
40) Benzene	6.037	78	251625	20.650	ug/l	99

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41) Methacrylonitrile	4.915	41	52680	21.124	ug/l	98
42) 1,2-Dichloroethane	6.086	62	97691	21.814	ug/l	98
43) Isopropyl Acetate	6.342	43	161010	20.886	ug/l	100
44) Trichloroethene	7.122	130	63512	20.061	ug/l	100
45) 1,2-Dichloropropane	7.427	63	66791	20.993	ug/l	99
46) Dibromomethane	7.580	93	45042	20.824	ug/l	99
47) Bromodichloromethane	7.823	83	84516	20.189	ug/l	100
48) Methyl methacrylate	7.695	41	80137	21.615	ug/l	98
49) 1,4-Dioxane	7.659	88	32781	420.957	ug/l	93
51) 4-Methyl-2-Pentanone	8.573	43	504176	112.741	ug/l	99
52) Toluene	8.720	92	157599	20.891	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	91228	19.343	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	100445	19.685	ug/l	98
55) 1,1,2-Trichloroethane	9.152	97	70078	23.407	ug/l	99
56) Ethyl methacrylate	9.116	69	111578	22.698	ug/l	95
57) 1,3-Dichloropropane	9.311	76	127160	23.898	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	265033	104.618	ug/l	100
59) 2-Hexanone	9.427	43	426990	123.518	ug/l	98
60) Dibromochloromethane	9.518	129	71442	22.752	ug/l	98
61) 1,2-Dibromoethane	9.610	107	75849	23.477	ug/l	100
64) Tetrachloroethene	9.274	164	56815	20.483	ug/l	97
65) Chlorobenzene	10.079	112	185025	20.422	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.158	131	66892	20.272	ug/l	99
67) Ethyl Benzene	10.195	91	339908	20.957	ug/l	98
68) m/p-Xylenes	10.299	106	253284	40.651	ug/l	95
69) o-Xylene	10.640	106	128716	20.586	ug/l	98
70) Styrene	10.652	104	209759	20.793	ug/l	99
71) Bromoform	10.799	173	45949	18.090	ug/l	98
73) Isopropylbenzene	10.963	105	345637	21.363	ug/l	99
74) N-amyl acetate	10.841	43	158156	20.409	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	112764	20.886	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	95873m	19.946	ug/l	
77) Bromobenzene	11.201	156	79878	20.577	ug/l	97
78) n-propylbenzene	11.305	91	400889	21.455	ug/l	99
79) 2-Chlorotoluene	11.365	91	249954	21.659	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	293294	21.612	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	29798	16.771	ug/l #	85
82) 4-Chlorotoluene	11.457	91	289868	21.807	ug/l	99
83) tert-Butylbenzene	11.713	119	293546	21.454	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	299048	21.562	ug/l	97
85) sec-Butylbenzene	11.890	105	350686	20.964	ug/l	100
86) p-Isopropyltoluene	12.012	119	299093	21.275	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	151938	19.976	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	154410	20.078	ug/l	99
89) n-Butylbenzene	12.335	91	253307	20.268	ug/l	99
90) Hexachloroethane	12.542	117	47823	18.384	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	153189	20.841	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.944	75	25926	21.136	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	87975	19.140	ug/l	97
94) Hexachlorobutadiene	13.725	225	35578	19.213	ug/l	99
95) Naphthalene	13.774	128	312927	20.302	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	88323	19.657	ug/l	98

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

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