

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031623\
 Data File : VX034562.D
 Acq On : 17 Mar 2023 04:27
 Operator : JC/MD
 Sample : VX0316WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0316WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/17/2023
 Supervised By : Mahesh Dadoda 03/17/2023

Quant Time: Mar 17 07:51:49 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	5.550	168	232337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	423143	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	389161	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	203313	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	201923	59.740	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 119.480%#			
35) Dibromofluoromethane	5.385	113	148562	53.176	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.360%			
50) Toluene-d8	8.647	98	539783	51.756	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.520%			
62) 4-Bromofluorobenzene	11.079	95	211816	50.281	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.560%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	35520	16.399	ug/l	96
3) Chloromethane	1.307	50	55256	15.947	ug/l	98
4) Vinyl Chloride	1.374	62	52147	17.681	ug/l	99
5) Bromomethane	1.599	94	34556	23.222	ug/l	92
6) Chloroethane	1.685	64	35205	20.732	ug/l	98
7) Trichlorofluoromethane	1.886	101	82624	18.645	ug/l	99
8) Diethyl Ether	2.130	74	35094	21.694	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	44041	17.053	ug/l	99
10) Methyl Iodide	2.453	142	67200	19.819	ug/l	97
11) Tert butyl alcohol	2.953	59	69214	98.334	ug/l	97
12) 1,1-Dichloroethene	2.319	96	43589	17.138	ug/l	94
13) Acrolein	2.233	56	70260	126.179	ug/l	100
14) Allyl chloride	2.666	41	91577	17.759	ug/l	97
15) Acrylonitrile	3.062	53	166893	109.763	ug/l	99
16) Acetone	2.374	43	151148	94.932	ug/l	99
17) Carbon Disulfide	2.514	76	100743	14.075	ug/l	100
18) Methyl Acetate	2.703	43	113626	21.841	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	189693	20.830	ug/l	96
20) Methylene Chloride	2.788	84	59700	19.320	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	50523	18.704	ug/l	96
22) Diisopropyl ether	3.757	45	204515	20.802	ug/l	99
23) Vinyl Acetate	3.721	43	763852	102.087	ug/l	99
24) 1,1-Dichloroethane	3.605	63	104625	19.797	ug/l	100
25) 2-Butanone	4.556	43	237802	104.383	ug/l	100
26) 2,2-Dichloropropane	4.477	77	63234	13.765	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	62135	19.109	ug/l	99
28) Bromochloromethane	4.898	49	53680	21.845	ug/l	100
29) Tetrahydrofuran	5.001	42	152991	108.831	ug/l	98
30) Chloroform	5.093	83	105225	20.312	ug/l	99
31) Cyclohexane	5.477	56	78051	16.465	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	85862	18.722	ug/l	98
36) 1,1-Dichloropropene	5.696	75	69328	16.156	ug/l	99
37) Ethyl Acetate	4.715	43	90546	19.315	ug/l	99
38) Carbon Tetrachloride	5.678	117	68376	16.017	ug/l	97
39) Methylcyclohexane	7.379	83	70185	13.667	ug/l	93
40) Benzene	6.038	78	223381	17.795	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	49692	19.342	ug/l	98
42) 1,2-Dichloroethane	6.086	62	90188	19.549	ug/l	100
43) Isopropyl Acetate	6.336	43	152477	19.200	ug/l	99
44) Trichloroethene	7.123	130	54285	16.644	ug/l	94
45) 1,2-Dichloropropane	7.428	63	59422	18.129	ug/l	99
46) Dibromomethane	7.580	93	41913	18.809	ug/l	99
47) Bromodichloromethane	7.824	83	79185	18.361	ug/l	99
48) Methyl methacrylate	7.690	41	74530	19.513	ug/l	98
49) 1,4-Dioxane	7.659	88	35539	442.999	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	480110	104.213	ug/l	98
52) Toluene	8.720	92	139273	17.921	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	81420	16.758	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	89803	17.084	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	60807	19.715	ug/l	97
56) Ethyl methacrylate	9.116	69	95161	18.791	ug/l	98
57) 1,3-Dichloropropane	9.311	76	106061	19.348	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	265162	101.602	ug/l	99
59) 2-Hexanone	9.427	43	360735	101.294	ug/l	98
60) Dibromochloromethane	9.519	129	58546	18.099	ug/l	96
61) 1,2-Dibromoethane	9.610	107	62407	18.750	ug/l	99
64) Tetrachloroethene	9.275	164	44202	16.909	ug/l	98
65) Chlorobenzene	10.080	112	149824	17.547	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	56153	18.057	ug/l	97
67) Ethyl Benzene	10.195	91	266829	17.456	ug/l	99
68) m/p-Xylenes	10.299	106	199901	34.043	ug/l	97
69) o-Xylene	10.640	106	102724	17.432	ug/l	100
70) Styrene	10.653	104	167167	17.583	ug/l	100
71) Bromoform	10.799	173	39751	16.606	ug/l #	98
73) Isopropylbenzene	10.964	105	256056	16.295	ug/l	100
74) N-amyl acetate	10.842	43	132515	17.607	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	101079	19.277	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	83630m	17.914	ug/l	
77) Bromobenzene	11.195	156	67087	17.795	ug/l	99
78) n-propylbenzene	11.305	91	313627	17.282	ug/l	99
79) 2-Chlorotoluene	11.366	91	203541	18.160	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	235081	17.836	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	22142	12.831	ug/l	87
82) 4-Chlorotoluene	11.457	91	238191	18.450	ug/l	98
83) tert-Butylbenzene	11.713	119	233536	17.574	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	246989	18.336	ug/l	97
85) sec-Butylbenzene	11.890	105	268992	16.557	ug/l	99
86) p-Isopropyltoluene	12.006	119	228262	16.718	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	128762	17.431	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	128693	17.230	ug/l	99
89) n-Butylbenzene	12.335	91	184927	15.235	ug/l	98
90) Hexachloroethane	12.536	117	35079	13.885	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	129260	18.107	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	20218	16.971	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	68576	15.362	ug/l	100
94) Hexachlorobutadiene	13.725	225	24261	13.490	ug/l	97
95) Naphthalene	13.774	128	257931	17.230	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	70335	16.118	ug/l	98

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

