

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073123\
 Data File : VX036712.D
 Acq On : 31 Jul 2023 11:59
 Operator : JC/MD
 Sample : VX0731WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/01/2023
 Supervised By : Mahesh Dadoda 08/01/2023

Quant Time: Aug 01 04:34:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	149283	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	256966	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	113558	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	106181	48.070	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.140%		
35) Dibromofluoromethane	5.385	113	88784	50.267	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.540%		
50) Toluene-d8	8.647	98	300094	47.912	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.820%		
62) 4-Bromofluorobenzene	11.079	95	116997	49.510	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.020%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	32632	16.547	ug/l	99
3) Chloromethane	1.300	50	30584	17.051	ug/l	94
4) Vinyl Chloride	1.374	62	35496	19.437	ug/l	98
5) Bromomethane	1.599	94	27970	25.654	ug/l	99
6) Chloroethane	1.685	64	19829	22.333	ug/l	100
7) Trichlorofluoromethane	1.886	101	55277	19.601	ug/l	99
8) Diethyl Ether	2.136	74	20714	18.985	ug/l	77
9) 1,1,2-Trichlorotrifluo...	2.331	101	32029	18.904	ug/l	98
10) Methyl Iodide	2.453	142	30661	17.423	ug/l	93
11) Tert butyl alcohol	2.959	59	55685	106.485	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	30331	18.145	ug/l	87
13) Acrolein	2.233	56	31171	104.447	ug/l	98
14) Allyl chloride	2.660	41	56584	17.190	ug/l	95
15) Acrylonitrile	3.062	53	102777	97.730	ug/l	99
16) Acetone	2.380	43	89695	97.857	ug/l	92
17) Carbon Disulfide	2.508	76	75278	16.317	ug/l	99
18) Methyl Acetate	2.703	43	74077	19.211	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	122158	19.447	ug/l	97
20) Methylene Chloride	2.788	84	36594	17.952	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	33630	18.001	ug/l	92
22) Diisopropyl ether	3.757	45	117218	18.755	ug/l	95
23) Vinyl Acetate	3.721	43	457927	95.519	ug/l	96
24) 1,1-Dichloroethane	3.605	63	64912	18.525	ug/l	98
25) 2-Butanone	4.556	43	144845	97.400	ug/l	95
26) 2,2-Dichloropropane	4.471	77	59676	18.074	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	41277	18.602	ug/l	94
28) Bromochloromethane	4.897	49	36034	21.263	ug/l	92
29) Tetrahydrofuran	5.001	42	91995	95.951	ug/l	92
30) Chloroform	5.092	83	69104	19.276	ug/l	100
31) Cyclohexane	5.464	56	53516	17.498	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	61088	18.597	ug/l	99
36) 1,1-Dichloropropene	5.696	75	47965	18.220	ug/l	98
37) Ethyl Acetate	4.714	43	57701	19.365	ug/l	97
38) Carbon Tetrachloride	5.678	117	53180	19.001	ug/l	98
39) Methylcyclohexane	7.379	83	58535	17.882	ug/l	95
40) Benzene	6.037	78	142127	18.556	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	30528	19.156	ug/l	93
42) 1,2-Dichloroethane	6.086	62	55430	19.794	ug/l	95
43) Isopropyl Acetate	6.336	43	95968	18.710	ug/l	96
44) Trichloroethene	7.123	130	37779	18.870	ug/l	93
45) 1,2-Dichloropropane	7.433	63	38451	18.803	ug/l	99
46) Dibromomethane	7.580	93	27673	19.335	ug/l	94
47) Bromodichloromethane	7.818	83	56645	19.282	ug/l	95
48) Methyl methacrylate	7.690	41	44789	18.777	ug/l	92
49) 1,4-Dioxane	7.659	88	20399	423.325	ug/l #	94
51) 4-Methyl-2-Pentanone	8.574	43	285314	100.519	ug/l	96
52) Toluene	8.720	92	91305	19.025	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	63309	19.067	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	65515	18.699	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	39674	19.666	ug/l	98
56) Ethyl methacrylate	9.116	69	64154	19.529	ug/l	94
57) 1,3-Dichloropropane	9.305	76	66682	19.845	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	160152	98.942	ug/l	98
59) 2-Hexanone	9.427	43	215529	102.313	ug/l	95
60) Dibromochloromethane	9.518	129	43001	19.393	ug/l	99
61) 1,2-Dibromoethane	9.610	107	41516	19.856	ug/l	100
64) Tetrachloroethene	9.275	164	32091	18.661	ug/l	98
65) Chlorobenzene	10.079	112	97741	19.232	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	38685	19.694	ug/l	99
67) Ethyl Benzene	10.195	91	176261	18.985	ug/l	99
68) m/p-Xylenes	10.299	106	134139	38.723	ug/l	98
69) o-Xylene	10.640	106	65848	19.044	ug/l	100
70) Styrene	10.652	104	110346	19.343	ug/l	97
71) Bromoform	10.799	173	31856	20.034	ug/l #	99
73) Isopropylbenzene	10.963	105	173682	18.481	ug/l	98
74) N-amyl acetate	10.841	43	82686	18.867	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	62317	19.633	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	51496m	19.280	ug/l	
77) Bromobenzene	11.195	156	40726	19.029	ug/l	95
78) n-propylbenzene	11.305	91	202688	18.649	ug/l	100
79) 2-Chlorotoluene	11.366	91	122340	18.576	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	147556	18.768	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	20079	17.039	ug/l	85
82) 4-Chlorotoluene	11.451	91	139270	18.559	ug/l	99
83) tert-Butylbenzene	11.713	119	146580	18.978	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	147571	18.768	ug/l	98
85) sec-Butylbenzene	11.890	105	185091	19.216	ug/l	100
86) p-Isopropyltoluene	12.006	119	152429	19.232	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	77517	19.555	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	78972	20.075	ug/l	99
89) n-Butylbenzene	12.329	91	134202	18.915	ug/l	99
90) Hexachloroethane	12.536	117	28967	18.028	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	77819	20.344	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	14258	19.330	ug/l	89
93) 1,2,4-Trichlorobenzene	13.585	180	47737	20.256	ug/l	97
94) Hexachlorobutadiene	13.725	225	18590	19.067	ug/l	99
95) Naphthalene	13.774	128	165553	20.158	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	47025	20.245	ug/l	99

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

