

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080123\
 Data File : VX036741.D
 Acq On : 01 Aug 2023 12:13
 Operator : JC/MD
 Sample : VX0801WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0801WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/02/2023
 Supervised By : Mahesh Dadoda 08/02/2023

Quant Time: Aug 02 06:23:36 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	131522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	225842	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	206651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99382	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	100182	51.479	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.960%			
35) Dibromofluoromethane	5.385	113	83455	53.762	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.520%			
50) Toluene-d8	8.647	98	289640	52.615	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.240%			
62) 4-Bromofluorobenzene	11.079	95	111917	53.887	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.780%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	31688	18.238	ug/l	100
3) Chloromethane	1.300	50	28008	17.723	ug/l	99
4) Vinyl Chloride	1.374	62	31693	19.698	ug/l	99
5) Bromomethane	1.599	94	18440	19.197	ug/l	98
6) Chloroethane	1.685	64	20815	26.610	ug/l	100
7) Trichlorofluoromethane	1.886	101	55364	22.283	ug/l	98
8) Diethyl Ether	2.130	74	20810	21.649	ug/l	81
9) 1,1,2-Trichlorotrifluo...	2.331	101	31862	21.344	ug/l	97
10) Methyl Iodide	2.453	142	27271	17.589	ug/l	93
11) Tert butyl alcohol	2.959	59	55507	120.479	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	29505	20.034	ug/l	86
13) Acrolein	2.233	56	33899	128.927	ug/l	100
14) Allyl chloride	2.660	41	55305	19.071	ug/l	95
15) Acrylonitrile	3.062	53	104220	112.485	ug/l	98
16) Acetone	2.380	43	88894	110.080	ug/l	92
17) Carbon Disulfide	2.514	76	72740	17.896	ug/l	98
18) Methyl Acetate	2.703	43	72418	21.317	ug/l	92
19) Methyl tert-butyl Ether	3.111	73	120919	21.849	ug/l	98
20) Methylene Chloride	2.788	84	36028	20.061	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	33064	20.088	ug/l	89
22) Diisopropyl ether	3.757	45	113719	20.653	ug/l	95
23) Vinyl Acetate	3.721	43	445745	105.534	ug/l	96
24) 1,1-Dichloroethane	3.605	63	63666	20.623	ug/l	97
25) 2-Butanone	4.550	43	145430	110.999	ug/l	96
26) 2,2-Dichloropropane	4.477	77	57006	19.597	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	40352	20.641	ug/l	93
28) Bromochloromethane	4.897	49	27769	18.599	ug/l	92
29) Tetrahydrofuran	5.001	42	91927	108.827	ug/l	93
30) Chloroform	5.092	83	68348	21.640	ug/l	99
31) Cyclohexane	5.464	56	51469	19.102	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	60129	20.777	ug/l	98
36) 1,1-Dichloropropene	5.690	75	47562	20.557	ug/l	99
37) Ethyl Acetate	4.715	43	55659	21.254	ug/l	96
38) Carbon Tetrachloride	5.672	117	52111	21.185	ug/l	99
39) Methylcyclohexane	7.379	83	57514	19.991	ug/l	94
40) Benzene	6.037	78	141210	20.977	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	29932	21.370	ug/l	91
42) 1,2-Dichloroethane	6.086	62	54576	22.175	ug/l	96
43) Isopropyl Acetate	6.336	43	93426	20.725	ug/l	96
44) Trichloroethene	7.123	130	37787	21.475	ug/l	100
45) 1,2-Dichloropropane	7.427	63	37677	20.963	ug/l	100
46) Dibromomethane	7.580	93	27396	21.780	ug/l	95
47) Bromodichloromethane	7.818	83	55781	21.604	ug/l	100
48) Methyl methacrylate	7.690	41	44056	21.015	ug/l	91
49) 1,4-Dioxane	7.653	88	21177	500.035	ug/l #	90
51) 4-Methyl-2-Pentanone	8.574	43	286848	114.986	ug/l	97
52) Toluene	8.720	92	91976	21.806	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	60252	20.647	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	64653	20.996	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	39196	22.107	ug/l	97
56) Ethyl methacrylate	9.116	69	63335	21.937	ug/l	94
57) 1,3-Dichloropropane	9.305	76	66824	22.628	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	156485	110.000	ug/l	97
59) 2-Hexanone	9.427	43	215496	116.395	ug/l	95
60) Dibromochloromethane	9.519	129	43269	22.203	ug/l	100
61) 1,2-Dibromoethane	9.610	107	41669	22.676	ug/l	99
64) Tetrachloroethene	9.275	164	32490	21.079	ug/l	98
65) Chlorobenzene	10.079	112	98457	21.614	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	38899	22.094	ug/l	99
67) Ethyl Benzene	10.195	91	176914	21.260	ug/l	98
68) m/p-Xylenes	10.299	106	134594	43.350	ug/l	98
69) o-Xylene	10.640	106	67375	21.740	ug/l	98
70) Styrene	10.652	104	111174	21.742	ug/l	97
71) Bromoform	10.799	173	30394	21.326	ug/l #	98
73) Isopropylbenzene	10.963	105	175755	21.369	ug/l	98
74) N-amyl acetate	10.841	43	79098	20.623	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	61202	22.032	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	50730m	21.702	ug/l	
77) Bromobenzene	11.195	156	40921	21.847	ug/l	95
78) n-propylbenzene	11.305	91	202249	21.263	ug/l	100
79) 2-Chlorotoluene	11.366	91	120969	20.987	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	148117	21.527	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	19328	18.741	ug/l	89
82) 4-Chlorotoluene	11.451	91	139845	21.294	ug/l	99
83) tert-Butylbenzene	11.713	119	145767	21.565	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	148225	21.541	ug/l	97
85) sec-Butylbenzene	11.890	105	184350	21.869	ug/l	99
86) p-Isopropyltoluene	12.006	119	152277	21.954	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	76358	22.011	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	76451	22.206	ug/l	100
89) n-Butylbenzene	12.329	91	132442	21.330	ug/l	99
90) Hexachloroethane	12.536	117	28758	20.451	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	74971	22.395	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	13216	20.473	ug/l	85
93) 1,2,4-Trichlorobenzene	13.585	180	45000	21.818	ug/l	96
94) Hexachlorobutadiene	13.725	225	18700	21.916	ug/l	99
95) Naphthalene	13.774	128	157780	21.952	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	45213	22.241	ug/l	99

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

