

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091923\
 Data File : VX037795.D
 Acq On : 19 Sep 2023 10:58
 Operator : JC/MD
 Sample : VX0919WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/20/2023
 Supervised By : Mahesh Dadoda 09/20/2023

Quant Time: Sep 20 00:58:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	254230	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	414475	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	397121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	213434	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	168268	50.377	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.760%			
35) Dibromofluoromethane	5.385	113	142480	51.376	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.760%			
50) Toluene-d8	8.647	98	539288	52.336	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.680%			
62) 4-Bromofluorobenzene	11.079	95	199443	53.264	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.520%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	47958	17.897	ug/l	97
3) Chloromethane	1.301	50	51360	17.616	ug/l	98
4) Vinyl Chloride	1.374	62	56964	18.110	ug/l	99
5) Bromomethane	1.605	94	42764	18.991	ug/l	97
6) Chloroethane	1.691	64	36429	16.812	ug/l	97
7) Trichlorofluoromethane	1.892	101	93504	18.491	ug/l	100
8) Diethyl Ether	2.136	74	35018	17.874	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.331	101	47885	18.659	ug/l	98
10) Methyl Iodide	2.453	142	55895	16.458	ug/l	94
11) Tert butyl alcohol	2.953	59	59348	82.777	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	45495	18.343	ug/l	85
13) Acrolein	2.233	56	62459	88.182	ug/l	99
14) Allyl chloride	2.666	41	72591	17.573	ug/l #	95
15) Acrylonitrile	3.062	53	136541	85.655	ug/l	99
16) Acetone	2.380	43	141435	88.021	ug/l	91
17) Carbon Disulfide	2.514	76	107823	17.339	ug/l	97
18) Methyl Acetate	2.703	43	99620	17.186	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	162521	17.813	ug/l	97
20) Methylene Chloride	2.788	84	56272	18.927	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	50982	18.511	ug/l	92
22) Diisopropyl ether	3.764	45	156440	18.181	ug/l	90
23) Vinyl Acetate	3.721	43	574169	90.719	ug/l	96
24) 1,1-Dichloroethane	3.611	63	93520	18.137	ug/l	99
25) 2-Butanone	4.556	43	190381	83.960	ug/l	91
26) 2,2-Dichloropropane	4.477	77	77562	18.616	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	62377	18.474	ug/l	90
28) Bromochloromethane	4.897	49	43447	18.062	ug/l #	81
29) Tetrahydrofuran	5.007	42	115054	81.573	ug/l #	87
30) Chloroform	5.099	83	101869	18.340	ug/l	99
31) Cyclohexane	5.471	56	78647	18.345	ug/l	88
32) 1,1,1-Trichloroethane	5.391	97	88889	18.900	ug/l	97
36) 1,1-Dichloropropene	5.696	75	72314	18.929	ug/l	97
37) Ethyl Acetate	4.715	43	73216	17.433	ug/l	97
38) Carbon Tetrachloride	5.684	117	75286	18.834	ug/l	99
39) Methylcyclohexane	7.385	83	90581	18.682	ug/l	94
40) Benzene	6.038	78	218658	18.612	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	36974	17.266	ug/l #	87
42) 1,2-Dichloroethane	6.086	62	78354	18.453	ug/l	96
43) Isopropyl Acetate	6.342	43	119133	17.740	ug/l	96
44) Trichloroethene	7.129	130	58187	17.785	ug/l	99
45) 1,2-Dichloropropane	7.434	63	56442	18.500	ug/l	97
46) Dibromomethane	7.580	93	40624	18.511	ug/l	90
47) Bromodichloromethane	7.824	83	76361	18.892	ug/l	97
48) Methyl methacrylate	7.696	41	56641	17.643	ug/l #	87
49) 1,4-Dioxane	7.659	88	29512	350.647	ug/l #	88
51) 4-Methyl-2-Pentanone	8.574	43	373758	87.720	ug/l	95
52) Toluene	8.720	92	141517	18.691	ug/l	93
53) t-1,3-Dichloropropene	8.982	75	79225	18.746	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	87657	18.741	ug/l #	88
55) 1,1,2-Trichloroethane	9.153	97	58236	18.243	ug/l	94
56) Ethyl methacrylate	9.116	69	85332	17.906	ug/l	91
57) 1,3-Dichloropropane	9.311	76	95956	18.576	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	195996	88.078	ug/l	98
59) 2-Hexanone	9.427	43	290008	87.418	ug/l	94
60) Dibromochloromethane	9.519	129	58881	18.516	ug/l	100
61) 1,2-Dibromoethane	9.610	107	63717	18.852	ug/l	100
64) Tetrachloroethene	9.275	164	49654	18.334	ug/l	97
65) Chlorobenzene	10.079	112	155471	18.150	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	55844	18.396	ug/l	97
67) Ethyl Benzene	10.195	91	276053	18.588	ug/l	99
68) m/p-Xylenes	10.299	106	214764	37.424	ug/l	96
69) o-Xylene	10.640	106	104082	18.087	ug/l	100
70) Styrene	10.659	104	175038	18.947	ug/l	96
71) Bromoform	10.799	173	42728	17.818	ug/l #	100
73) Isopropylbenzene	10.963	105	279920	17.876	ug/l	99
74) N-amyl acetate	10.842	43	106727	16.830	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	94075	17.083	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	81329m	16.475	ug/l	
77) Bromobenzene	11.201	156	68549	17.687	ug/l	89
78) n-propylbenzene	11.305	91	327516	18.520	ug/l	100
79) 2-Chlorotoluene	11.366	91	192251	17.632	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	235952	17.843	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	24897	16.156	ug/l	94
82) 4-Chlorotoluene	11.457	91	222771	18.148	ug/l	96
83) tert-Butylbenzene	11.713	119	239174	17.896	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	235999	17.937	ug/l	98
85) sec-Butylbenzene	11.890	105	302626	18.664	ug/l	99
86) p-Isopropyltoluene	12.012	119	252890	18.720	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	132166	18.294	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	132953	17.984	ug/l	98
89) n-Butylbenzene	12.335	91	231418	19.555	ug/l	97
90) Hexachloroethane	12.536	117	40759	17.808	ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	132210	17.924	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18683	17.019	ug/l	78
93) 1,2,4-Trichlorobenzene	13.585	180	86739	19.963	ug/l	95
94) Hexachlorobutadiene	13.725	225	39535	19.485	ug/l	97
95) Naphthalene	13.774	128	271467	18.474	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	84417	18.879	ug/l	97

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

