

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091923\
 Data File : VX037796.D
 Acq On : 19 Sep 2023 11:24
 Operator : JC/MD
 Sample : VX0919WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Sep 20 00:59:06 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	5.550	168	255183	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	411073	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	391161	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	215905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	165394	49.331	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.660%		
35) Dibromofluoromethane	5.391	113	140718	51.161	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.320%		
50) Toluene-d8	8.647	98	531824	52.038	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	104.080%		
62) 4-Bromofluorobenzene	11.079	95	200270	53.927	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.860%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	49039	18.232	ug/l	100
3) Chloromethane	1.301	50	49886	17.046	ug/l	95
4) Vinyl Chloride	1.374	62	55261	17.503	ug/l	98
5) Bromomethane	1.605	94	43905	19.425	ug/l	100
6) Chloroethane	1.691	64	37127	17.070	ug/l	97
7) Trichlorofluoromethane	1.892	101	93445	18.410	ug/l	99
8) Diethyl Ether	2.136	74	34907	17.751	ug/l	82
9) 1,1,2-Trichlorotrifluo...	2.331	101	48814	18.950	ug/l	96
10) Methyl Iodide	2.453	142	57101	16.750	ug/l	93
11) Tert butyl alcohol	2.953	59	61341	85.237	ug/l	# 93
12) 1,1-Dichloroethene	2.319	96	45795	18.395	ug/l	85
13) Acrolein	2.233	56	62794	88.324	ug/l	99
14) Allyl chloride	2.666	41	72870	17.574	ug/l	# 95
15) Acrylonitrile	3.063	53	138829	86.765	ug/l	99
16) Acetone	2.380	43	133576	82.819	ug/l	# 88
17) Carbon Disulfide	2.514	76	109847	17.599	ug/l	99
18) Methyl Acetate	2.703	43	100662	17.301	ug/l	91
19) Methyl tert-butyl Ether	3.111	73	166430	18.173	ug/l	97
20) Methylene Chloride	2.788	84	56203	18.833	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	50788	18.372	ug/l	90
22) Diisopropyl ether	3.758	45	157603	18.248	ug/l	96
23) Vinyl Acetate	3.721	43	582176	91.641	ug/l	97
24) 1,1-Dichloroethane	3.611	63	92666	17.905	ug/l	99
25) 2-Butanone	4.556	43	191219	84.015	ug/l	92
26) 2,2-Dichloropropane	4.477	77	76697	18.340	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	61759	18.223	ug/l	90
28) Bromochloromethane	4.904	49	43516	18.023	ug/l	# 82
29) Tetrahydrofuran	5.007	42	118850	83.950	ug/l	89
30) Chloroform	5.093	83	100861	18.091	ug/l	96
31) Cyclohexane	5.471	56	79197	18.404	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	86581	18.340	ug/l	97
36) 1,1-Dichloropropene	5.690	75	72525	19.141	ug/l	96
37) Ethyl Acetate	4.715	43	73167	17.565	ug/l	96
38) Carbon Tetrachloride	5.678	117	75369	19.011	ug/l	96
39) Methylcyclohexane	7.379	83	94435	19.638	ug/l	95
40) Benzene	6.038	78	215402	18.487	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	39179	18.447	ug/l #	90
42) 1,2-Dichloroethane	6.086	62	79231	18.814	ug/l	97
43) Isopropyl Acetate	6.342	43	119665	17.966	ug/l	95
44) Trichloroethene	7.129	130	59362	18.294	ug/l	97
45) 1,2-Dichloropropane	7.434	63	56028	18.516	ug/l	96
46) Dibromomethane	7.586	93	41633	19.127	ug/l	92
47) Bromodichloromethane	7.824	83	75694	18.882	ug/l	99
48) Methyl methacrylate	7.696	41	58150	18.263	ug/l #	89
49) 1,4-Dioxane	7.659	88	29326	351.321	ug/l #	90
51) 4-Methyl-2-Pentanone	8.574	43	379653	89.841	ug/l	95
52) Toluene	8.720	92	142890	19.029	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	80640	19.239	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	87984	18.966	ug/l #	88
55) 1,1,2-Trichloroethane	9.153	97	60513	19.114	ug/l	98
56) Ethyl methacrylate	9.116	69	87816	18.580	ug/l	89
57) 1,3-Dichloropropane	9.305	76	96974	18.929	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	197410	89.447	ug/l	98
59) 2-Hexanone	9.427	43	291565	88.615	ug/l	94
60) Dibromochloromethane	9.519	129	59723	18.936	ug/l	99
61) 1,2-Dibromoethane	9.610	107	64119	19.128	ug/l	99
64) Tetrachloroethene	9.275	164	51896	19.454	ug/l	98
65) Chlorobenzene	10.080	112	158362	18.769	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	56595	18.928	ug/l	98
67) Ethyl Benzene	10.195	91	281271	19.228	ug/l	99
68) m/p-Xylenes	10.299	106	220900	39.079	ug/l	96
69) o-Xylene	10.640	106	106419	18.774	ug/l	98
70) Styrene	10.653	104	178108	19.573	ug/l	96
71) Bromoform	10.799	173	43902	18.586	ug/l #	100
73) Isopropylbenzene	10.964	105	284090	17.935	ug/l	99
74) N-amyl acetate	10.842	43	110967	17.298	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.214	83	95564	17.155	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	84981m	17.018	ug/l	
77) Bromobenzene	11.195	156	71348	18.198	ug/l	89
78) n-propylbenzene	11.305	91	339439	18.975	ug/l	99
79) 2-Chlorotoluene	11.366	91	197327	17.890	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	243097	18.173	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	25484	16.348	ug/l	93
82) 4-Chlorotoluene	11.451	91	229658	18.494	ug/l	96
83) tert-Butylbenzene	11.713	119	240598	17.796	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	244797	18.393	ug/l	98
85) sec-Butylbenzene	11.890	105	309459	18.867	ug/l	99
86) p-Isopropyltoluene	12.006	119	260823	19.087	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	136001	18.609	ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	137639	18.405	ug/l	98
89) n-Butylbenzene	12.329	91	242313	20.241	ug/l	97
90) Hexachloroethane	12.536	117	41482	17.916	ug/l	86
91) 1,2-Dichlorobenzene	12.335	146	134906	18.080	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	18228	16.415	ug/l	76
93) 1,2,4-Trichlorobenzene	13.585	180	88624	20.163	ug/l	96
94) Hexachlorobutadiene	13.725	225	40885	19.919	ug/l	98
95) Naphthalene	13.774	128	272445	18.328	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	87942	19.443	ug/l	98

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

