

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092623\
 Data File : VX037901.D
 Acq On : 26 Sep 2023 11:35
 Operator : JC/MD
 Sample : VX0926WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0926WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/27/2023
 Supervised By : Mahesh Dadoda 09/27/2023

Quant Time: Sep 27 01:11:53 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	227103	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	370827	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	360059	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	199321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	151180	50.667	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.340%			
35) Dibromofluoromethane	5.391	113	131144	52.855	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.700%			
50) Toluene-d8	8.646	98	486138	52.731	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.460%			
62) 4-Bromofluorobenzene	11.079	95	182649	54.520	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.040%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	39665	16.570	ug/l	97
3) Chloromethane	1.300	50	43406	16.666	ug/l	97
4) Vinyl Chloride	1.373	62	50453	17.956	ug/l	98
5) Bromomethane	1.605	94	38214	18.997	ug/l	99
6) Chloroethane	1.690	64	33406	17.258	ug/l	98
7) Trichlorofluoromethane	1.892	101	84901	18.795	ug/l	100
8) Diethyl Ether	2.135	74	32166	18.379	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.330	101	43273	18.876	ug/l	97
10) Methyl Iodide	2.452	142	54549	17.980	ug/l	91
11) Tert butyl alcohol	2.958	59	52519	82.002	ug/l	# 91
12) 1,1-Dichloroethene	2.318	96	40889	18.455	ug/l	86
13) Acrolein	2.233	56	58611	92.634	ug/l	100
14) Allyl chloride	2.666	41	64821	17.566	ug/l	# 96
15) Acrylonitrile	3.062	53	127452	89.504	ug/l	99
16) Acetone	2.379	43	124326	86.615	ug/l	# 89
17) Carbon Disulfide	2.513	76	87957	15.834	ug/l	99
18) Methyl Acetate	2.702	43	95815	18.504	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	152940	18.765	ug/l	100
20) Methylene Chloride	2.794	84	51773	19.494	ug/l	# 86
21) trans-1,2-Dichloroethene	3.093	96	46010	18.702	ug/l	88
22) Diisopropyl ether	3.757	45	145283	18.901	ug/l	88
23) Vinyl Acetate	3.727	43	521884	92.307	ug/l	96
24) 1,1-Dichloroethane	3.611	63	86702	18.824	ug/l	98
25) 2-Butanone	4.556	43	174431	86.115	ug/l	91
26) 2,2-Dichloropropane	4.476	77	69832	18.763	ug/l	94
27) cis-1,2-Dichloroethene	4.495	96	56710	18.802	ug/l	90
28) Bromochloromethane	4.897	49	42771	19.905	ug/l	# 82
29) Tetrahydrofuran	5.007	42	108971	86.489	ug/l	90
30) Chloroform	5.098	83	95740	19.295	ug/l	100
31) Cyclohexane	5.476	56	67784	17.700	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	80035	19.050	ug/l	98
36) 1,1-Dichloropropene	5.696	75	63703	18.637	ug/l	95
37) Ethyl Acetate	4.714	43	67256	17.899	ug/l	96
38) Carbon Tetrachloride	5.684	117	68925	19.273	ug/l	99
39) Methylcyclohexane	7.384	83	78138	18.012	ug/l	92
40) Benzene	6.043	78	196844	18.728	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.921	41	34967	18.250	ug/l #	87
42) 1,2-Dichloroethane	6.092	62	73345	19.307	ug/l	97
43) Isopropyl Acetate	6.342	43	109355	18.200	ug/l	97
44) Trichloroethene	7.128	130	54022	18.456	ug/l	92
45) 1,2-Dichloropropane	7.433	63	51932	19.025	ug/l	93
46) Dibromomethane	7.586	93	38267	19.489	ug/l	93
47) Bromodichloromethane	7.823	83	70231	19.421	ug/l	99
48) Methyl methacrylate	7.695	41	52193	18.171	ug/l #	87
49) 1,4-Dioxane	7.665	88	25855	343.355	ug/l #	91
51) 4-Methyl-2-Pentanone	8.573	43	347652	91.197	ug/l	95
52) Toluene	8.720	92	128844	19.020	ug/l	93
53) t-1,3-Dichloropropene	8.982	75	73471	19.431	ug/l	94
54) cis-1,3-Dichloropropene	8.366	75	80436	19.221	ug/l	89
55) 1,1,2-Trichloroethane	9.152	97	55036	19.270	ug/l	96
56) Ethyl methacrylate	9.116	69	78929	18.512	ug/l	92
57) 1,3-Dichloropropane	9.311	76	89201	19.301	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	181187	91.006	ug/l	98
59) 2-Hexanone	9.433	43	266124	89.661	ug/l	93
60) Dibromochloromethane	9.524	129	55509	19.510	ug/l	100
61) 1,2-Dibromoethane	9.610	107	58619	19.385	ug/l	100
64) Tetrachloroethene	9.274	164	46267	18.842	ug/l	94
65) Chlorobenzene	10.079	112	144188	18.565	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.164	131	52265	18.990	ug/l	98
67) Ethyl Benzene	10.195	91	252038	18.718	ug/l	98
68) m/p-Xylenes	10.305	106	197197	37.900	ug/l	98
69) o-Xylene	10.640	106	96558	18.506	ug/l	97
70) Styrene	10.658	104	160516	19.163	ug/l	96
71) Bromoform	10.798	173	39973	18.385	ug/l #	99
73) Isopropylbenzene	10.963	105	256965	17.572	ug/l	99
74) N-amyl acetate	10.841	43	98077	16.561	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	89122	17.329	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	77591m	16.831	ug/l	
77) Bromobenzene	11.201	156	65009	17.961	ug/l	88
78) n-propylbenzene	11.304	91	306924	18.585	ug/l	99
79) 2-Chlorotoluene	11.365	91	179502	17.628	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	220831	17.882	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	22799	15.842	ug/l	94
82) 4-Chlorotoluene	11.457	91	211622	18.460	ug/l	97
83) tert-Butylbenzene	11.713	119	223871	17.937	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	221278	18.009	ug/l	98
85) sec-Butylbenzene	11.890	105	283159	18.700	ug/l	99
86) p-Isopropyltoluene	12.012	119	237975	18.864	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	124973	18.523	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	128444	18.604	ug/l	99
89) n-Butylbenzene	12.335	91	219310	19.844	ug/l	96
90) Hexachloroethane	12.536	117	37836	17.701	ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	123844	17.978	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.944	75	17791	17.354	ug/l	78
93) 1,2,4-Trichlorobenzene	13.585	180	84959	20.938	ug/l	97
94) Hexachlorobutadiene	13.725	225	37414	19.745	ug/l	98
95) Naphthalene	13.774	128	258730	18.854	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	82794	19.828	ug/l	97

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

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