

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092123\
 Data File : VX037845.D
 Acq On : 21 Sep 2023 11:21
 Operator : JC/MD
 Sample : VX0921WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0921WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/22/2023
 Supervised By : Mahesh Dadoda 09/22/2023

Quant Time: Sep 22 04:39:58 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	240662	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	384729	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	366421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	204043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	133480	42.215	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	84.420%		
35) Dibromofluoromethane	5.385	113	113835	44.221	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.440%		
50) Toluene-d8	8.647	98	424917	44.425	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	88.840%#		
62) 4-Bromofluorobenzene	11.079	95	163195	46.953	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.900%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	45922	18.103	ug/l	97
3) Chloromethane	1.300	50	46873	16.983	ug/l	98
4) Vinyl Chloride	1.374	62	51383	17.257	ug/l	95
5) Bromomethane	1.611	94	40473	18.987	ug/l	98
6) Chloroethane	1.691	64	34679	16.906	ug/l	99
7) Trichlorofluoromethane	1.892	101	88502	18.488	ug/l	99
8) Diethyl Ether	2.136	74	33199	17.901	ug/l	82
9) 1,1,2-Trichlorotrifluo...	2.331	101	46898	19.305	ug/l	97
10) Methyl Iodide	2.453	142	57125	17.769	ug/l	91
11) Tert butyl alcohol	2.953	59	54779	80.712	ug/l #	91
12) 1,1-Dichloroethene	2.325	96	43226	18.411	ug/l	82
13) Acrolein	2.239	56	69040	102.969	ug/l	99
14) Allyl chloride	2.666	41	68829	17.601	ug/l #	95
15) Acrylonitrile	3.062	53	135795	89.990	ug/l	99
16) Acetone	2.379	43	130913	86.066	ug/l	90
17) Carbon Disulfide	2.514	76	99762	16.947	ug/l	98
18) Methyl Acetate	2.703	43	98321	17.918	ug/l	91
19) Methyl tert-butyl Ether	3.111	73	160335	18.564	ug/l	98
20) Methylene Chloride	2.794	84	53242	18.917	ug/l	85
21) trans-1,2-Dichloroethene	3.093	96	48704	18.681	ug/l	92
22) Diisopropyl ether	3.763	45	151393	18.586	ug/l #	87
23) Vinyl Acetate	3.721	43	557346	93.026	ug/l #	95
24) 1,1-Dichloroethane	3.611	63	88690	18.170	ug/l	99
25) 2-Butanone	4.550	43	184474	85.942	ug/l	92
26) 2,2-Dichloropropane	4.477	77	70600	17.901	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	59310	18.556	ug/l	89
28) Bromochloromethane	4.897	49	41130	18.063	ug/l #	78
29) Tetrahydrofuran	5.001	42	115614	86.592	ug/l	90
30) Chloroform	5.092	83	98982	18.825	ug/l	96
31) Cyclohexane	5.470	56	74191	18.281	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	83184	18.684	ug/l	97
36) 1,1-Dichloropropene	5.696	75	69120	19.492	ug/l	96
37) Ethyl Acetate	4.714	43	68320	17.525	ug/l #	94
38) Carbon Tetrachloride	5.684	117	71809	19.354	ug/l	98
39) Methylcyclohexane	7.379	83	86685	19.260	ug/l	93
40) Benzene	6.037	78	206027	18.893	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	37297	18.763	ug/l #	89
42) 1,2-Dichloroethane	6.086	62	75785	19.228	ug/l	96
43) Isopropyl Acetate	6.342	43	116261	18.650	ug/l	96
44) Trichloroethene	7.129	130	56352	18.556	ug/l	95
45) 1,2-Dichloropropane	7.427	63	54239	19.153	ug/l	97
46) Dibromomethane	7.580	93	39967	19.619	ug/l	91
47) Bromodichloromethane	7.824	83	72109	19.220	ug/l	97
48) Methyl methacrylate	7.696	41	55052	18.474	ug/l #	86
49) 1,4-Dioxane	7.659	88	27784	355.639	ug/l #	88
51) 4-Methyl-2-Pentanone	8.573	43	369553	93.439	ug/l	96
52) Toluene	8.720	92	135140	19.229	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	77364	19.721	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	84771	19.525	ug/l #	89
55) 1,1,2-Trichloroethane	9.153	97	57910	19.544	ug/l	95
56) Ethyl methacrylate	9.116	69	84740	19.157	ug/l	90
57) 1,3-Dichloropropane	9.311	76	93384	19.476	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	194971	94.391	ug/l	99
59) 2-Hexanone	9.427	43	281739	91.492	ug/l	92
60) Dibromochloromethane	9.518	129	57834	19.593	ug/l	100
61) 1,2-Dibromoethane	9.610	107	60976	19.436	ug/l	99
64) Tetrachloroethene	9.275	164	47873	19.157	ug/l	98
65) Chlorobenzene	10.079	112	151259	19.138	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	53968	19.268	ug/l	99
67) Ethyl Benzene	10.195	91	267727	19.538	ug/l	98
68) m/p-Xylenes	10.299	106	207287	39.147	ug/l	97
69) o-Xylene	10.640	106	102400	19.285	ug/l	97
70) Styrene	10.658	104	169687	19.906	ug/l	96
71) Bromoform	10.799	173	41435	18.726	ug/l #	100
73) Isopropylbenzene	10.963	105	273843	18.293	ug/l	99
74) N-amyl acetate	10.841	43	106089	17.499	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	93891	17.834	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	82598m	17.502	ug/l	
77) Bromobenzene	11.195	156	68326	18.441	ug/l	88
78) n-propylbenzene	11.305	91	318016	18.811	ug/l	99
79) 2-Chlorotoluene	11.366	91	186681	17.909	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	232090	18.359	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	24315	16.504	ug/l	93
82) 4-Chlorotoluene	11.451	91	221730	18.894	ug/l	96
83) tert-Butylbenzene	11.713	119	230716	18.057	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	234511	18.645	ug/l	98
85) sec-Butylbenzene	11.890	105	298571	19.262	ug/l	99
86) p-Isopropyltoluene	12.012	119	249088	19.288	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	131800	19.083	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	136939	19.376	ug/l	98
89) n-Butylbenzene	12.329	91	233136	20.607	ug/l	97
90) Hexachloroethane	12.536	117	39435	18.022	ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	130572	18.516	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	18861	17.972	ug/l	78
93) 1,2,4-Trichlorobenzene	13.585	180	88761	21.369	ug/l	97
94) Hexachlorobutadiene	13.725	225	39851	20.544	ug/l	97
95) Naphthalene	13.774	128	274197	19.518	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	85371	19.972	ug/l	97

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

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