

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111622\
 Data File : VX032862.D
 Acq On : 16 Nov 2022 12:53
 Operator : JC/MD
 Sample : VX1116WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1116WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/17/2022
 Supervised By : Mahesh Dadoda 11/17/2022

Quant Time: Nov 17 05:41:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	95887	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	150445	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	135029	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	71475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	68745	51.598	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.200%			
35) Dibromofluoromethane	5.385	113	55858	52.051	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.100%			
50) Toluene-d8	8.647	98	183924	49.289	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.580%			
62) 4-Bromofluorobenzene	11.079	95	73911	50.706	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.420%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	18094	16.361	ug/l	99
3) Chloromethane	1.294	50	15154	16.203	ug/l	97
4) Vinyl Chloride	1.374	62	18097	17.582	ug/l	95
5) Bromomethane	1.618	94	14728	17.905	ug/l	99
6) Chloroethane	1.691	64	15797	22.877	ug/l	99
7) Trichlorofluoromethane	1.892	101	36093	18.506	ug/l	99
8) Diethyl Ether	2.136	74	12146	19.217	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	20272	19.693	ug/l	99
10) Methyl Iodide	2.453	142	17394	16.526	ug/l	99
11) Tert butyl alcohol	2.995	59	16963m	87.475	ug/l	
12) 1,1-Dichloroethene	2.319	96	17491	18.189	ug/l	99
13) Acrolein	2.239	56	19586	101.173	ug/l	99
14) Allyl chloride	2.666	41	28224	18.412	ug/l	98
15) Acrylonitrile	3.069	53	47571	90.391	ug/l	99
16) Acetone	2.386	43	48015	99.156	ug/l	94
17) Carbon Disulfide	2.514	76	32569	14.220	ug/l	100
18) Methyl Acetate	2.703	43	31975	20.306	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	67120	19.859	ug/l	100
20) Methylene Chloride	2.794	84	21912	19.736	ug/l	89
21) trans-1,2-Dichloroethene	3.093	96	18700	17.865	ug/l	94
22) Diisopropyl ether	3.757	45	66780	20.141	ug/l #	84
23) Vinyl Acetate	3.721	43	242918	90.683	ug/l	98
24) 1,1-Dichloroethane	3.611	63	37548	19.688	ug/l	98
25) 2-Butanone	4.562	43	67062	89.390	ug/l	100
26) 2,2-Dichloropropane	4.477	77	29540	19.485	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	24208	20.008	ug/l	99
28) Bromochloromethane	4.898	49	12352	18.183	ug/l	96
29) Tetrahydrofuran	5.013	42	40988	85.679	ug/l	99
30) Chloroform	5.099	83	43542	20.807	ug/l	97
31) Cyclohexane	5.477	56	28497	17.641	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	37198	19.808	ug/l	99
36) 1,1-Dichloropropene	5.696	75	27131	18.155	ug/l	96
37) Ethyl Acetate	4.715	43	26270	16.888	ug/l	98
38) Carbon Tetrachloride	5.678	117	32029	19.324	ug/l	94
39) Methylcyclohexane	7.379	83	31350	17.731	ug/l	97
40) Benzene	6.038	78	82645	19.543	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	14685	18.532	ug/l	98
42) 1,2-Dichloroethane	6.092	62	35383	20.468	ug/l	99
43) Isopropyl Acetate	6.342	43	44120	18.473	ug/l	99
44) Trichloroethene	7.123	130	22929	19.261	ug/l	99
45) 1,2-Dichloropropane	7.434	63	21895	20.169	ug/l	99
46) Dibromomethane	7.586	93	16448	19.757	ug/l	100
47) Bromodichloromethane	7.824	83	32347	20.500	ug/l	99
48) Methyl methacrylate	7.696	41	22785	18.472	ug/l	99
49) 1,4-Dioxane	7.702	88	7942	337.850	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	140307	93.266	ug/l	100
52) Toluene	8.720	92	55143	19.986	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	30354	18.855	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	34151	19.833	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	24127	20.764	ug/l	95
56) Ethyl methacrylate	9.116	69	32890	19.670	ug/l	99
57) 1,3-Dichloropropane	9.311	76	38003	20.253	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	80321	99.759	ug/l	99
59) 2-Hexanone	9.433	43	103127	92.386	ug/l	99
60) Dibromochloromethane	9.519	129	24821	19.557	ug/l	99
61) 1,2-Dibromoethane	9.610	107	23769	19.306	ug/l	99
64) Tetrachloroethene	9.275	164	19458	19.688	ug/l	99
65) Chlorobenzene	10.079	112	60911	20.138	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	23829	20.932	ug/l	97
67) Ethyl Benzene	10.195	91	108200	20.004	ug/l	99
68) m/p-Xylenes	10.305	106	83484	39.748	ug/l	99
69) o-Xylene	10.640	106	41229	20.190	ug/l	99
70) Styrene	10.653	104	69062	20.350	ug/l	99
71) Bromoform	10.799	173	17450	19.388	ug/l #	100
73) Isopropylbenzene	10.963	105	112428	19.850	ug/l	99
74) N-amyl acetate	10.842	43	38409	17.948	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	35376	19.459	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	31519m	19.821	ug/l	
77) Bromobenzene	11.201	156	27409	19.739	ug/l	99
78) n-propylbenzene	11.305	91	124938	19.146	ug/l	99
79) 2-Chlorotoluene	11.366	91	77005	19.705	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	95147	19.656	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	7925	15.859	ug/l	91
82) 4-Chlorotoluene	11.457	91	89156	19.497	ug/l	99
83) tert-Butylbenzene	11.713	119	95623	19.787	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	95207	19.775	ug/l	98
85) sec-Butylbenzene	11.890	105	113876	19.583	ug/l	99
86) p-Isopropyltoluene	12.012	119	96949	19.648	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	52612	20.087	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	52919	19.475	ug/l	99
89) n-Butylbenzene	12.335	91	80451	18.741	ug/l	99
90) Hexachloroethane	12.536	117	14666	18.197	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	52298	20.250	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6938	17.406	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	31983	18.993	ug/l	99
94) Hexachlorobutadiene	13.725	225	13718	19.505	ug/l	99
95) Naphthalene	13.774	128	103228	18.397	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	32547	19.013	ug/l	99

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

