

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111522\
 Data File : VX032814.D
 Acq On : 15 Nov 2022 11:58
 Operator : JC/MD
 Sample : VX1115WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1115WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/16/2022
 Supervised By : Mahesh Dadoda 11/16/2022

Quant Time: Nov 16 03:32:45 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	5.550	168	89993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	139435	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	124885	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	65931	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	64186	51.331	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.660%			
35) Dibromofluoromethane	5.385	113	54363	54.658	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.320%			
50) Toluene-d8	8.647	98	173445	50.151	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.300%			
62) 4-Bromofluorobenzene	11.079	95	69815	51.678	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.360%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	18579	17.900	ug/l	97
3) Chloromethane	1.294	50	15314	17.446	ug/l	94
4) Vinyl Chloride	1.374	62	17289	17.897	ug/l	97
5) Bromomethane	1.617	94	13039	16.890	ug/l	98
6) Chloroethane	1.691	64	15292	23.596	ug/l	95
7) Trichlorofluoromethane	1.892	101	35682	19.494	ug/l	100
8) Diethyl Ether	2.130	74	11982	20.200	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	19857	20.553	ug/l	100
10) Methyl Iodide	2.453	142	18810	18.750	ug/l	99
11) Tert butyl alcohol	2.995	59	15871m	87.204	ug/l	
12) 1,1-Dichloroethene	2.319	96	16720	18.526	ug/l	91
13) Acrolein	2.239	56	11959	65.821	ug/l	97
14) Allyl chloride	2.666	41	27877	19.377	ug/l	98
15) Acrylonitrile	3.062	53	45902	92.932	ug/l	98
16) Acetone	2.386	43	44889	98.771	ug/l	96
17) Carbon Disulfide	2.514	76	35316	16.429	ug/l	98
18) Methyl Acetate	2.703	43	30031	20.320	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	66092	20.836	ug/l	99
20) Methylene Chloride	2.794	84	20649	19.816	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	18496	18.828	ug/l	98
22) Diisopropyl ether	3.757	45	63436	20.385	ug/l	89
23) Vinyl Acetate	3.721	43	239449	95.242	ug/l	100
24) 1,1-Dichloroethane	3.611	63	36142	20.192	ug/l	97
25) 2-Butanone	4.562	43	63654	90.404	ug/l	97
26) 2,2-Dichloropropane	4.477	77	28929	20.332	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	23506	20.701	ug/l	99
28) Bromochloromethane	4.897	49	12647	19.837	ug/l	98
29) Tetrahydrofuran	5.013	42	39012	86.890	ug/l	99
30) Chloroform	5.092	83	41537	21.149	ug/l	93
31) Cyclohexane	5.477	56	27993	18.464	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	36551	20.738	ug/l	99
36) 1,1-Dichloropropene	5.696	75	27223	19.655	ug/l	99
37) Ethyl Acetate	4.714	43	25241	17.508	ug/l	98
38) Carbon Tetrachloride	5.678	117	32280	21.013	ug/l	98
39) Methylcyclohexane	7.379	83	31481	19.211	ug/l	97
40) Benzene	6.037	78	80373	20.506	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	14751	20.085	ug/l	98
42) 1,2-Dichloroethane	6.086	62	34542	21.560	ug/l	99
43) Isopropyl Acetate	6.336	43	43066	19.455	ug/l	99
44) Trichloroethene	7.123	130	23011	20.856	ug/l	97
45) 1,2-Dichloropropane	7.434	63	21335	21.205	ug/l	100
46) Dibromomethane	7.580	93	16203	20.999	ug/l	99
47) Bromodichloromethane	7.824	83	32515	22.234	ug/l	99
48) Methyl methacrylate	7.696	41	21827	19.092	ug/l	99
49) 1,4-Dioxane	7.708	88	7297	334.922	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	134178	96.234	ug/l	100
52) Toluene	8.720	92	53341	20.860	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	30964	20.752	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	33567	21.033	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	22956	21.316	ug/l	98
56) Ethyl methacrylate	9.116	69	31224	20.148	ug/l	99
57) 1,3-Dichloropropane	9.305	76	36579	21.033	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	74637	100.019	ug/l	100
59) 2-Hexanone	9.427	43	97894	94.623	ug/l	99
60) Dibromochloromethane	9.518	129	25605	21.768	ug/l	98
61) 1,2-Dibromoethane	9.610	107	23527	20.618	ug/l	99
64) Tetrachloroethene	9.275	164	19643	21.490	ug/l	98
65) Chlorobenzene	10.079	112	60270	21.544	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	23292	22.123	ug/l	99
67) Ethyl Benzene	10.195	91	104710	20.931	ug/l	99
68) m/p-Xylenes	10.299	106	80784	41.587	ug/l	98
69) o-Xylene	10.640	106	40048	21.204	ug/l	100
70) Styrene	10.652	104	66859	21.301	ug/l	100
71) Bromoform	10.799	173	18294	21.976	ug/l #	99
73) Isopropylbenzene	10.963	105	108382	20.745	ug/l	100
74) N-amyl acetate	10.841	43	36855	18.670	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	34013	20.282	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	30018m	20.465	ug/l	
77) Bromobenzene	11.195	156	26863	20.973	ug/l	99
78) n-propylbenzene	11.305	91	124578	20.696	ug/l	99
79) 2-Chlorotoluene	11.366	91	74789	20.747	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	93415	20.921	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	8086	17.541	ug/l	91
82) 4-Chlorotoluene	11.451	91	86884	20.598	ug/l	99
83) tert-Butylbenzene	11.713	119	91933	20.623	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	93597	21.075	ug/l	99
85) sec-Butylbenzene	11.890	105	111209	20.732	ug/l	99
86) p-Isopropyltoluene	12.006	119	95385	20.956	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	51179	21.182	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	51372	20.495	ug/l	100
89) n-Butylbenzene	12.335	91	80220	20.259	ug/l	99
90) Hexachloroethane	12.536	117	15700	21.118	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	51360	21.559	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6744	18.342	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	32087	20.656	ug/l	97
94) Hexachlorobutadiene	13.725	225	13980	21.549	ug/l	100
95) Naphthalene	13.774	128	101155	19.543	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	32610	20.652	ug/l	99

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

