

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112322\
 Data File : VX033013.D
 Acq On : 23 Nov 2022 12:44
 Operator : JC/MD
 Sample : VX1123WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1123WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/25/2022
 Supervised By : Mahesh Dadoda 11/28/2022

Quant Time: Nov 24 04:05:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	125933	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	201132	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	183646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	59694	48.410	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.820%		
35) Dibromofluoromethane	5.385	113	50161	44.237	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.480%		
50) Toluene-d8	8.647	98	155957	45.519	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.040%#		
62) 4-Bromofluorobenzene	11.079	95	66878	44.899	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	17436	18.123	ug/l	93
3) Chloromethane	1.295	50	18978	18.272	ug/l	99
4) Vinyl Chloride	1.374	62	21381	18.488	ug/l	94
5) Bromomethane	1.618	94	14721	17.166	ug/l	97
6) Chloroethane	1.691	64	17441	18.525	ug/l	96
7) Trichlorofluoromethane	1.892	101	42179	18.792	ug/l	99
8) Diethyl Ether	2.130	74	14088	19.936	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.337	101	22672	19.218	ug/l	98
10) Methyl Iodide	2.453	142	20159	14.927	ug/l	99
11) Tert butyl alcohol	3.014	59	23164m	119.151	ug/l	
12) 1,1-Dichloroethene	2.319	96	21151	19.246	ug/l	96
13) Acrolein	2.239	56	20879	93.499	ug/l	99
14) Allyl chloride	2.666	41	34087	19.212	ug/l	99
15) Acrylonitrile	3.069	53	59959	109.040	ug/l	99
16) Acetone	2.398	43	60083	104.902	ug/l	98
17) Carbon Disulfide	2.514	76	53780	17.713	ug/l	100
18) Methyl Acetate	2.709	43	34268	21.614	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	75973	19.933	ug/l	97
20) Methylene Chloride	2.788	84	24777	20.012	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	23522	18.711	ug/l	96
22) Diisopropyl ether	3.757	45	76113	19.701	ug/l #	82
23) Vinyl Acetate	3.721	43	305896	101.152	ug/l	100
24) 1,1-Dichloroethane	3.611	63	43158	19.522	ug/l	99
25) 2-Butanone	4.568	43	87767	111.129	ug/l	99
26) 2,2-Dichloropropane	4.471	77	34779	19.565	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	27745	19.425	ug/l	99
28) Bromochloromethane	4.904	49	20477	21.080	ug/l	99
29) Tetrahydrofuran	5.013	42	55411	110.569	ug/l	100
30) Chloroform	5.099	83	48437	19.562	ug/l	99
31) Cyclohexane	5.471	56	37628	18.936	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	42973	19.380	ug/l	99
36) 1,1-Dichloropropene	5.696	75	33115	18.264	ug/l	100
37) Ethyl Acetate	4.715	43	33480	21.166	ug/l	98
38) Carbon Tetrachloride	5.678	117	37553	18.671	ug/l	99
39) Methylcyclohexane	7.379	83	38100	18.417	ug/l	94
40) Benzene	6.038	78	96109	18.906	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	17839	20.043	ug/l	97
42) 1,2-Dichloroethane	6.086	62	39834	19.462	ug/l	100
43) Isopropyl Acetate	6.342	43	55189	21.097	ug/l	99
44) Trichloroethene	7.129	130	27063	18.972	ug/l	98
45) 1,2-Dichloropropane	7.434	63	24836	19.770	ug/l	99
46) Dibromomethane	7.586	93	19286	19.675	ug/l	98
47) Bromodichloromethane	7.824	83	36700	19.376	ug/l	97
48) Methyl methacrylate	7.696	41	28234	20.968	ug/l	97
49) 1,4-Dioxane	7.714	88	12293	495.943	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	177093	109.707	ug/l	100
52) Toluene	8.720	92	63477	18.980	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	36748	19.025	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	40164	19.669	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	26425	19.407	ug/l	99
56) Ethyl methacrylate	9.116	69	38363	20.449	ug/l	100
57) 1,3-Dichloropropane	9.311	76	43056	19.587	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	93133	104.542	ug/l	100
59) 2-Hexanone	9.433	43	135150	113.337	ug/l	100
60) Dibromochloromethane	9.519	129	28936	19.739	ug/l	99
61) 1,2-Dibromoethane	9.610	107	28243	19.652	ug/l	99
64) Tetrachloroethene	9.275	164	23248	17.884	ug/l	97
65) Chlorobenzene	10.079	112	70822	19.343	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	26475	19.734	ug/l	99
67) Ethyl Benzene	10.195	91	125526	19.327	ug/l	97
68) m/p-Xylenes	10.299	106	96545	37.960	ug/l	100
69) o-Xylene	10.640	106	47228	19.192	ug/l	99
70) Styrene	10.659	104	78592	19.521	ug/l	99
71) Bromoform	10.799	173	21015	20.431	ug/l #	99
73) Isopropylbenzene	10.964	105	126723	18.973	ug/l	99
74) N-amyl acetate	10.842	43	47116	20.736	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	40778	20.228	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	37116m	20.967	ug/l	
77) Bromobenzene	11.195	156	30234	18.405	ug/l	96
78) n-propylbenzene	11.305	91	144554	18.929	ug/l	100
79) 2-Chlorotoluene	11.366	91	88144	19.004	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	107827	19.217	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	10321	18.952	ug/l	93
82) 4-Chlorotoluene	11.457	91	102169	18.797	ug/l	100
83) tert-Butylbenzene	11.713	119	106457	19.060	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	107220	19.164	ug/l	99
85) sec-Butylbenzene	11.890	105	126588	18.944	ug/l	100
86) p-Isopropyltoluene	12.012	119	108628	19.188	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	57489	18.659	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	58200	18.444	ug/l	100
89) n-Butylbenzene	12.335	91	91727	18.807	ug/l	99
90) Hexachloroethane	12.536	117	17478	18.791	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	57702	19.252	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8529	21.205	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	34219	18.522	ug/l	99
94) Hexachlorobutadiene	13.725	225	14635	17.955	ug/l	98
95) Naphthalene	13.774	128	118208	19.778	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	34758	18.760	ug/l	100

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

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