

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121422\
 Data File : VX033414.D
 Acq On : 14 Dec 2022 12:36
 Operator : JC/MD
 Sample : VX1214WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1214WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/15/2022
 Supervised By : Mahesh Dadoda 12/15/2022

Quant Time: Dec 14 22:48:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	142483	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	223959	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	206164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	43326	47.399	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.800%		
35) Dibromofluoromethane	5.385	113	49791	49.429	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.860%		
50) Toluene-d8	8.646	98	110331	52.357	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	104.720%		
62) 4-Bromofluorobenzene	11.079	95	89468	55.527	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	111.060%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	21365	21.466	ug/l	95
3) Chloromethane	1.294	50	21316	18.523	ug/l	93
4) Vinyl Chloride	1.373	62	24647	18.757	ug/l	94
5) Bromomethane	1.617	94	18688	19.380	ug/l	95
6) Chloroethane	1.690	64	19499	19.564	ug/l	96
7) Trichlorofluoromethane	1.892	101	41173	16.690	ug/l	99
8) Diethyl Ether	2.129	74	13011	14.602	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.330	101	28616	21.867	ug/l	98
10) Methyl Iodide	2.452	142	25120	17.527	ug/l	98
11) Tert butyl alcohol	3.001	59	27704m	99.133	ug/l	
12) 1,1-Dichloroethene	2.318	96	25992	20.122	ug/l	97
13) Acrolein	2.239	56	20721	68.365	ug/l	100
14) Allyl chloride	2.666	41	40003	19.392	ug/l	96
15) Acrylonitrile	3.068	53	64763	93.552	ug/l	100
16) Acetone	2.391	43	76320	112.834	ug/l	99
17) Carbon Disulfide	2.513	76	61670	18.602	ug/l	99
18) Methyl Acetate	2.708	43	37322	19.061	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	89507	20.004	ug/l	98
20) Methylene Chloride	2.788	84	29309	19.430	ug/l	87
21) trans-1,2-Dichloroethene	3.093	96	28594	20.236	ug/l	97
22) Diisopropyl ether	3.757	45	89289	20.203	ug/l	91
23) Vinyl Acetate	3.720	43	336021	97.954	ug/l	98
24) 1,1-Dichloroethane	3.611	63	51162	19.702	ug/l	98
25) 2-Butanone	4.562	43	99361	102.338	ug/l	98
26) 2,2-Dichloropropane	4.476	77	40261	21.083	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	33919	20.086	ug/l	97
28) Bromochloromethane	4.891	49	22393	20.600	ug/l	90
29) Tetrahydrofuran	5.007	42	58424	92.876	ug/l	97
30) Chloroform	5.092	83	58664	20.349	ug/l	97
31) Cyclohexane	5.470	56	45136	20.777	ug/l	90
32) 1,1,1-Trichloroethane	5.385	97	52545	21.184	ug/l	99
36) 1,1-Dichloropropene	5.690	75	41796	21.282	ug/l	100
37) Ethyl Acetate	4.708	43	34922	18.811	ug/l	99
38) Carbon Tetrachloride	5.677	117	46483	21.125	ug/l	98
39) Methylcyclohexane	7.378	83	50013	22.751	ug/l	99
40) Benzene	6.037	78	119802	20.922	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	19544	19.104	ug/l	95
42) 1,2-Dichloroethane	6.086	62	46248	20.339	ug/l	97
43) Isopropyl Acetate	6.336	43	59564	19.941	ug/l	99
44) Trichloroethene	7.122	130	34450	21.821	ug/l	88
45) 1,2-Dichloropropane	7.427	63	30339	20.717	ug/l	99
46) Dibromomethane	7.580	93	23192	20.789	ug/l	97
47) Bromodichloromethane	7.817	83	45578	20.959	ug/l	100
48) Methyl methacrylate	7.689	41	30047	19.490	ug/l	93
49) 1,4-Dioxane	7.708	88	14091	400.831	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	192524	101.919	ug/l	97
52) Toluene	8.720	92	81162	21.922	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	44550	20.620	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	48327	20.884	ug/l #	88
55) 1,1,2-Trichloroethane	9.152	97	33496	21.523	ug/l	98
56) Ethyl methacrylate	9.116	69	45373	20.707	ug/l	92
57) 1,3-Dichloropropane	9.305	76	52968	21.186	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	80974	80.763	ug/l	98
59) 2-Hexanone	9.427	43	148652	106.785	ug/l	95
60) Dibromochloromethane	9.518	129	36154	21.085	ug/l	100
61) 1,2-Dibromoethane	9.610	107	35331	21.343	ug/l	99
64) Tetrachloroethene	9.274	164	30917	21.931	ug/l	96
65) Chlorobenzene	10.079	112	90314	21.633	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.164	131	33526	21.250	ug/l	99
67) Ethyl Benzene	10.195	91	161558	22.213	ug/l	99
68) m/p-Xylenes	10.299	106	126729	44.784	ug/l	97
69) o-Xylene	10.640	106	61500	21.987	ug/l	97
70) Styrene	10.652	104	101767	22.215	ug/l	98
71) Bromoform	10.798	173	25369	20.315	ug/l #	99
73) Isopropylbenzene	10.963	105	166088	21.686	ug/l	100
74) N-amyl acetate	10.841	43	51497	19.708	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	49041	20.184	ug/l	98
76) 1,2,3-Trichloropropane	11.237	75	43870m	20.407	ug/l	
77) Bromobenzene	11.195	156	40051	20.709	ug/l	98
78) n-propylbenzene	11.305	91	188328	22.023	ug/l	98
79) 2-Chlorotoluene	11.365	91	111066	21.015	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	141042	22.124	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	12470	18.044	ug/l	100
82) 4-Chlorotoluene	11.457	91	130043	21.161	ug/l	99
83) tert-Butylbenzene	11.713	119	139600	21.959	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	138811	21.813	ug/l	99
85) sec-Butylbenzene	11.890	105	168580	22.728	ug/l	99
86) p-Isopropyltoluene	12.012	119	143979	22.515	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	75830	21.645	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	77805	21.743	ug/l	99
89) n-Butylbenzene	12.335	91	118999	22.720	ug/l	99
90) Hexachloroethane	12.536	117	21780	20.037	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	74032	21.137	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.944	75	9608	18.307	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	46162	21.823	ug/l	98
94) Hexachlorobutadiene	13.725	225	19922	23.519	ug/l	98
95) Naphthalene	13.774	128	148278	21.015	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	46267	21.596	ug/l	98

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

