

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121522\
 Data File : VX033433.D
 Acq On : 15 Dec 2022 11:46
 Operator : JC/MD
 Sample : VX1215WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1215WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/16/2022
 Supervised By : Mahesh Dadoda 12/16/2022

Quant Time: Dec 16 01:00:12 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	5.550	168	137295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	210886	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	199474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	37856	42.979	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	85.960%		
35) Dibromofluoromethane	5.379	113	43658	46.027	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.060%		
50) Toluene-d8	8.647	98	93958	47.352	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.700%		
62) 4-Bromofluorobenzene	11.079	95	77494	51.077	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.160%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	18601	19.395	ug/l	95
3) Chloromethane	1.295	50	18825	16.976	ug/l	91
4) Vinyl Chloride	1.374	62	22224	17.552	ug/l	98
5) Bromomethane	1.618	94	13351	14.369	ug/l	97
6) Chloroethane	1.691	64	15485	16.124	ug/l	98
7) Trichlorofluoromethane	1.886	101	34159	14.370	ug/l	95
8) Diethyl Ether	2.130	74	11537	13.437	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	25075	19.886	ug/l	99
10) Methyl Iodide	2.453	142	25025	18.120	ug/l	99
11) Tert butyl alcohol	2.995	59	23307m	86.551	ug/l	
12) 1,1-Dichloroethene	2.325	96	20970	16.848	ug/l	94
13) Acrolein	2.239	56	16133	55.239	ug/l	98
14) Allyl chloride	2.666	41	35709	17.965	ug/l	98
15) Acrylonitrile	3.063	53	59810	89.662	ug/l	98
16) Acetone	2.386	43	68941	105.776	ug/l	96
17) Carbon Disulfide	2.514	76	54276	16.990	ug/l	98
18) Methyl Acetate	2.703	43	34358	18.210	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	80781	18.736	ug/l	98
20) Methylene Chloride	2.788	84	26733	18.392	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	25379	18.640	ug/l	97
22) Diisopropyl ether	3.757	45	79815	18.742	ug/l	94
23) Vinyl Acetate	3.721	43	302179	91.418	ug/l	98
24) 1,1-Dichloroethane	3.605	63	46243	18.481	ug/l	98
25) 2-Butanone	4.556	43	88026	94.090	ug/l	99
26) 2,2-Dichloropropane	4.471	77	36972	20.092	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	30395	18.679	ug/l	99
28) Bromochloromethane	4.891	49	20374	19.451	ug/l	93
29) Tetrahydrofuran	5.007	42	50878	83.937	ug/l	96
30) Chloroform	5.087	83	53573	19.285	ug/l	98
31) Cyclohexane	5.471	56	39412	18.828	ug/l	90
32) 1,1,1-Trichloroethane	5.373	97	47380	19.823	ug/l	98
36) 1,1-Dichloropropene	5.690	75	36878	19.942	ug/l	99
37) Ethyl Acetate	4.709	43	32990	18.872	ug/l	99
38) Carbon Tetrachloride	5.672	117	41422	19.992	ug/l	99
39) Methylcyclohexane	7.379	83	43709	21.116	ug/l	98
40) Benzene	6.031	78	106012	19.661	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	18338	19.037	ug/l	95
42) 1,2-Dichloroethane	6.086	62	42486	19.843	ug/l	99
43) Isopropyl Acetate	6.336	43	51963	18.474	ug/l	97
44) Trichloroethene	7.123	130	31162	20.962	ug/l	93
45) 1,2-Dichloropropane	7.428	63	27163	19.698	ug/l	98
46) Dibromomethane	7.580	93	20832	19.831	ug/l	99
47) Bromodichloromethane	7.818	83	40366	19.713	ug/l	99
48) Methyl methacrylate	7.690	41	26656	18.363	ug/l	93
49) 1,4-Dioxane	7.702	88	11968	361.544	ug/l	97
51) 4-Methyl-2-Pentanone	8.568	43	169612	95.356	ug/l	97
52) Toluene	8.714	92	72263	20.728	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	39858	19.717	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	43520	19.973	ug/l #	87
55) 1,1,2-Trichloroethane	9.153	97	30012	20.480	ug/l	99
56) Ethyl methacrylate	9.116	69	40393	19.577	ug/l	92
57) 1,3-Dichloropropane	9.305	76	46997	19.963	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	67813	71.829	ug/l	97
59) 2-Hexanone	9.427	43	132391	101.000	ug/l	96
60) Dibromochloromethane	9.519	129	32360	20.042	ug/l	100
61) 1,2-Dibromoethane	9.610	107	31071	19.933	ug/l	100
64) Tetrachloroethene	9.275	164	27206	19.946	ug/l	97
65) Chlorobenzene	10.080	112	81948	20.287	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	30166	19.762	ug/l	99
67) Ethyl Benzene	10.195	91	145637	20.695	ug/l	99
68) m/p-Xylenes	10.299	106	112373	41.043	ug/l	98
69) o-Xylene	10.640	106	54826	20.259	ug/l	98
70) Styrene	10.653	104	92716	20.918	ug/l	97
71) Bromoform	10.799	173	22783	18.856	ug/l #	99
73) Isopropylbenzene	10.964	105	145978	19.794	ug/l	99
74) N-amyl acetate	10.842	43	46798	18.599	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	43351	18.529	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	39670m	19.163	ug/l	
77) Bromobenzene	11.195	156	36437	19.565	ug/l	98
78) n-propylbenzene	11.305	91	166094	20.170	ug/l	99
79) 2-Chlorotoluene	11.366	91	100805	19.808	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	124051	20.207	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	10907	16.389	ug/l	98
82) 4-Chlorotoluene	11.451	91	116180	19.633	ug/l	99
83) tert-Butylbenzene	11.713	119	125736	20.539	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	123934	20.224	ug/l	99
85) sec-Butylbenzene	11.890	105	148096	20.734	ug/l	99
86) p-Isopropyltoluene	12.006	119	127436	20.695	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	67747	20.082	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	67854	19.691	ug/l	99
89) n-Butylbenzene	12.335	91	106000	21.017	ug/l	100
90) Hexachloroethane	12.536	117	19769	18.887	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	65946	19.552	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8253	16.330	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	40491	19.878	ug/l	98
94) Hexachlorobutadiene	13.725	225	18460	22.631	ug/l	99
95) Naphthalene	13.774	128	127000	18.691	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	39730	19.258	ug/l	100

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

