

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120822\
 Data File : VX033312.D
 Acq On : 08 Dec 2022 10:45
 Operator : JC/MD
 Sample : VX1208WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1208WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/09/2022
 Supervised By : Mahesh Dadoda 12/09/2022

Quant Time: Dec 09 00:42:42 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	5.556	168	152201	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	240944	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	218380	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	46939	48.072	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.140%		
35) Dibromofluoromethane	5.391	113	52236	48.201	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.400%		
50) Toluene-d8	8.647	98	113596	50.107	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.220%		
62) 4-Bromofluorobenzene	11.079	95	89622	51.702	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	20729	19.497	ug/l	98
3) Chloromethane	1.295	50	22463	18.273	ug/l	99
4) Vinyl Chloride	1.374	62	25264	17.999	ug/l	98
5) Bromomethane	1.618	94	17930	17.407	ug/l	95
6) Chloroethane	1.691	64	18727	17.590	ug/l	95
7) Trichlorofluoromethane	1.892	101	50588	19.197	ug/l	99
8) Diethyl Ether	2.136	74	17039	17.902	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	27899	19.958	ug/l	99
10) Methyl Iodide	2.453	142	24294	15.868	ug/l	99
11) Tert butyl alcohol	3.008	59	28180	94.398	ug/l	96
12) 1,1-Dichloroethene	2.325	96	25798	18.697	ug/l	97
13) Acrolein	2.239	56	27102	83.709	ug/l	99
14) Allyl chloride	2.666	41	40235	18.259	ug/l	96
15) Acrylonitrile	3.069	53	65435	88.488	ug/l	98
16) Acetone	2.398	43	68924	95.393	ug/l	100
17) Carbon Disulfide	2.514	76	62281	17.586	ug/l	99
18) Methyl Acetate	2.709	43	37951	18.144	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	88225	18.459	ug/l	100
20) Methylene Chloride	2.788	84	28677	17.797	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	28828	19.099	ug/l	99
22) Diisopropyl ether	3.764	45	88080	18.657	ug/l	99
23) Vinyl Acetate	3.721	43	331752	90.535	ug/l	99
24) 1,1-Dichloroethane	3.611	63	51460	18.551	ug/l	99
25) 2-Butanone	4.568	43	95442	92.025	ug/l	99
26) 2,2-Dichloropropane	4.477	77	38991	19.114	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	33828	18.753	ug/l	97
28) Bromochloromethane	4.904	49	21871	18.835	ug/l	95
29) Tetrahydrofuran	5.013	42	58841	87.567	ug/l	99
30) Chloroform	5.099	83	56796	18.443	ug/l	97
31) Cyclohexane	5.471	56	44883	19.342	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	50546	19.077	ug/l	98
36) 1,1-Dichloropropene	5.696	75	41942	19.851	ug/l	99
37) Ethyl Acetate	4.715	43	35653	17.851	ug/l	100
38) Carbon Tetrachloride	5.678	117	45112	19.056	ug/l	95
39) Methylcyclohexane	7.379	83	47577	20.117	ug/l	98
40) Benzene	6.038	78	118042	19.161	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	20772	18.873	ug/l	96
42) 1,2-Dichloroethane	6.092	62	46738	19.105	ug/l	100
43) Isopropyl Acetate	6.342	43	58408	18.175	ug/l	98
44) Trichloroethene	7.129	130	32216	18.967	ug/l	95
45) 1,2-Dichloropropane	7.434	63	29297	18.595	ug/l	98
46) Dibromomethane	7.580	93	22842	19.032	ug/l	97
47) Bromodichloromethane	7.824	83	43513	18.599	ug/l	97
48) Methyl methacrylate	7.696	41	29995	18.085	ug/l	95
49) 1,4-Dioxane	7.720	88	13663	361.258	ug/l	91
51) 4-Methyl-2-Pentanone	8.574	43	190072	93.528	ug/l	98
52) Toluene	8.720	92	76590	19.229	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	41057	18.023	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	46436	18.652	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	32033	19.132	ug/l	97
56) Ethyl methacrylate	9.116	69	43685	18.531	ug/l	95
57) 1,3-Dichloropropane	9.311	76	50774	18.877	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	97027	89.952	ug/l	99
59) 2-Hexanone	9.427	43	142968	95.462	ug/l	97
60) Dibromochloromethane	9.525	129	33337	18.071	ug/l	99
61) 1,2-Dibromoethane	9.610	107	33222	18.654	ug/l	98
64) Tetrachloroethene	9.275	164	28970	19.400	ug/l	94
65) Chlorobenzene	10.080	112	84135	19.025	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	31589	18.902	ug/l	98
67) Ethyl Benzene	10.195	91	149811	19.445	ug/l	98
68) m/p-Xylenes	10.299	106	117211	39.104	ug/l	98
69) o-Xylene	10.640	106	57711	19.479	ug/l	99
70) Styrene	10.653	104	93204	19.208	ug/l	99
71) Bromoform	10.799	173	23450	17.727	ug/l #	99
73) Isopropylbenzene	10.964	105	152052	19.459	ug/l	99
74) N-amyl acetate	10.842	43	49641	18.620	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	45547	18.374	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	41877m	19.093	ug/l	
77) Bromobenzene	11.201	156	37593	19.052	ug/l	99
78) n-propylbenzene	11.305	91	171328	19.637	ug/l	99
79) 2-Chlorotoluene	11.366	91	104191	19.323	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	129436	19.900	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	11366	16.120	ug/l	95
82) 4-Chlorotoluene	11.457	91	121210	19.332	ug/l	99
83) tert-Butylbenzene	11.713	119	127728	19.693	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	128001	19.715	ug/l	99
85) sec-Butylbenzene	11.890	105	152523	20.155	ug/l	99
86) p-Isopropyltoluene	12.012	119	128753	19.734	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	67400	18.857	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	69416	19.013	ug/l	100
89) n-Butylbenzene	12.335	91	106737	19.974	ug/l	99
90) Hexachloroethane	12.536	117	20101	18.125	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	67993	19.027	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9344	17.451	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	40559	18.793	ug/l	98
94) Hexachlorobutadiene	13.725	225	16889	19.542	ug/l	100
95) Naphthalene	13.774	128	136428	18.951	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	41174	18.837	ug/l	99

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

