

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121821\
 Data File : VX025880.D
 Acq On : 17 Dec 2021 13:00
 Operator : JC/MD
 Sample : VX1218WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1218WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2021
 Supervised By : Mahesh Dadoda 12/22/2021

Quant Time: Dec 19 02:26:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	102916	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	181470	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	176997	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86153	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	81023	54.717	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.440%			
35) Dibromofluoromethane	5.385	113	64442	50.918	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.840%			
50) Toluene-d8	8.653	98	235601	51.093	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.180%			
62) 4-Bromofluorobenzene	11.085	95	90414	51.617	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.240%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	19404	21.082	ug/l	98
3) Chloromethane	1.294	50	24185	20.179	ug/l	96
4) Vinyl Chloride	1.374	62	25522	20.020	ug/l	97
5) Bromomethane	1.599	94	20137	22.122	ug/l	98
6) Chloroethane	1.678	64	19341	20.947	ug/l	95
7) Trichlorofluoromethane	1.880	101	40404	19.187	ug/l	95
8) Diethyl Ether	2.136	74	18390	22.139	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	21086	19.243	ug/l	98
10) Methyl Iodide	2.453	142	25163	18.022	ug/l	99
11) Tert butyl alcohol	2.971	59	30474	102.593	ug/l	99
12) 1,1-Dichloroethene	2.319	96	20704	19.003	ug/l	99
13) Acrolein	2.239	56	22331	109.987	ug/l	99
14) Allyl chloride	2.666	41	39113	19.670	ug/l	98
15) Acrylonitrile	3.068	53	80086	115.493	ug/l	98
16) Acetone	2.386	43	83959	120.152	ug/l	95
17) Carbon Disulfide	2.508	76	47082	15.086	ug/l	99
18) Methyl Acetate	2.709	43	52856	23.420	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	84306	21.908	ug/l	99
20) Methylene Chloride	2.788	84	27803	20.526	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	24316	19.998	ug/l	100
22) Diisopropyl ether	3.763	45	85485	22.163	ug/l	99
23) Vinyl Acetate	3.727	43	337843	113.189	ug/l	99
24) 1,1-Dichloroethane	3.611	63	46627	21.172	ug/l	98
25) 2-Butanone	4.562	43	118852	119.336	ug/l	99
26) 2,2-Dichloropropane	4.483	77	30241	18.104	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	30231	20.968	ug/l	99
28) Bromochloromethane	4.897	49	19427	19.575	ug/l	99
29) Tetrahydrofuran	5.013	42	75060	118.538	ug/l	99
30) Chloroform	5.099	83	50833	21.045	ug/l	99
31) Cyclohexane	5.471	56	35487	19.707	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	39700	18.885	ug/l	99
36) 1,1-Dichloropropene	5.690	75	32970	19.210	ug/l	99
37) Ethyl Acetate	4.721	43	43542	22.835	ug/l	99
38) Carbon Tetrachloride	5.678	117	33668	16.860	ug/l	94
39) Methylcyclohexane	7.385	83	35430	18.449	ug/l	98
40) Benzene	6.044	78	106731	20.847	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	23185	21.970	ug/l	98
42) 1,2-Dichloroethane	6.092	62	42026	21.598	ug/l	100
43) Isopropyl Acetate	6.348	43	64980	21.152	ug/l	99
44) Trichloroethene	7.129	130	28143	19.745	ug/l	99
45) 1,2-Dichloropropane	7.434	63	27257	21.123	ug/l	95
46) Dibromomethane	7.580	93	20916	20.820	ug/l	98
47) Bromodichloromethane	7.824	83	37818	19.100	ug/l	93
48) Methyl methacrylate	7.696	41	32094	22.184	ug/l	96
49) 1,4-Dioxane	7.659	88	15002	475.002	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	226528	112.641	ug/l	100
52) Toluene	8.720	92	69158	21.200	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	33422	17.709	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	40389	19.559	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	30156	21.556	ug/l	97
56) Ethyl methacrylate	9.116	69	44005	21.903	ug/l	98
57) 1,3-Dichloropropane	9.311	76	48856	21.291	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	96503	107.826	ug/l	100
59) 2-Hexanone	9.433	43	176709	115.970	ug/l	100
60) Dibromochloromethane	9.525	129	28802	18.140	ug/l	100
61) 1,2-Dibromoethane	9.610	107	31302	20.636	ug/l	97
64) Tetrachloroethene	9.275	164	27175	19.248	ug/l	97
65) Chlorobenzene	10.079	112	77174	20.917	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	26582	18.450	ug/l	99
67) Ethyl Benzene	10.195	91	128186	20.546	ug/l	99
68) m/p-Xylenes	10.305	106	101360	41.751	ug/l	99
69) o-Xylene	10.646	106	51365	21.507	ug/l	98
70) Styrene	10.659	104	84832	21.346	ug/l	100
71) Bromoform	10.799	173	19400	16.346	ug/l #	99
73) Isopropylbenzene	10.963	105	123741	19.790	ug/l	99
74) N-amyl acetate	10.848	43	54576	21.701	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	46611	21.389	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	41191m	20.868	ug/l	
77) Bromobenzene	11.201	156	33167	20.680	ug/l	99
78) n-propylbenzene	11.305	91	140657	19.888	ug/l	99
79) 2-Chlorotoluene	11.366	91	90388	20.098	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	106219	20.483	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.024	75	9429	14.809	ug/l #	82
82) 4-Chlorotoluene	11.457	91	104864	20.822	ug/l	99
83) tert-Butylbenzene	11.719	119	101306	19.930	ug/l	100
84) 1,2,4-Trimethylbenzene	11.756	105	108185	20.883	ug/l	99
85) sec-Butylbenzene	11.890	105	121384	19.868	ug/l	100
86) p-Isopropyltoluene	12.012	119	103581	20.187	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	60705	20.314	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	61186	20.055	ug/l	99
89) n-Butylbenzene	12.335	91	82040	19.168	ug/l	98
90) Hexachloroethane	12.542	117	15010	14.885	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	60921	21.347	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8766	17.900	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	31264	20.325	ug/l	98
94) Hexachlorobutadiene	13.725	225	11588	19.089	ug/l	98
95) Naphthalene	13.780	128	113275	20.731	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	32150	20.749	ug/l	100

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

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