

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121821\
 Data File : VX025881.D
 Acq On : 17 Dec 2021 13:31
 Operator : JC/MD
 Sample : VX1218WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1218WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Dec 19 02:27:23 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	113940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	195097	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	184188	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90014	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	82079	50.067	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.140%			
35) Dibromofluoromethane	5.385	113	67200	49.389	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.780%			
50) Toluene-d8	8.653	98	247190	49.862	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.720%			
62) 4-Bromofluorobenzene	11.085	95	90697	48.162	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.320%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	23501	23.063	ug/l	92
3) Chloromethane	1.295	50	26475	19.953	ug/l	99
4) Vinyl Chloride	1.374	62	29971	21.235	ug/l	98
5) Bromomethane	1.599	94	21512	21.346	ug/l	100
6) Chloroethane	1.685	64	19812	19.381	ug/l	95
7) Trichlorofluoromethane	1.886	101	47642	20.436	ug/l	98
8) Diethyl Ether	2.136	74	18812	20.456	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	24741	20.394	ug/l	98
10) Methyl Iodide	2.453	142	29257	18.927	ug/l	99
11) Tert butyl alcohol	2.965	59	30892	93.938	ug/l	99
12) 1,1-Dichloroethene	2.319	96	23239	19.266	ug/l	98
13) Acrolein	2.239	56	22692	100.951	ug/l	99
14) Allyl chloride	2.666	41	41520	18.860	ug/l	99
15) Acrylonitrile	3.069	53	78602	102.386	ug/l	99
16) Acetone	2.380	43	80363	100.780	ug/l	98
17) Carbon Disulfide	2.508	76	53983	15.624	ug/l	100
18) Methyl Acetate	2.709	43	52591	21.048	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	87715	20.588	ug/l	100
20) Methylene Chloride	2.788	84	28842	19.072	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	25986	19.304	ug/l	98
22) Diisopropyl ether	3.764	45	88873	20.812	ug/l	98
23) Vinyl Acetate	3.727	43	346644	104.901	ug/l	100
24) 1,1-Dichloroethane	3.611	63	48181	19.761	ug/l	97
25) 2-Butanone	4.562	43	117462	106.530	ug/l	99
26) 2,2-Dichloropropane	4.477	77	31982	17.294	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	31943	20.012	ug/l	98
28) Bromochloromethane	4.898	49	20041	18.239	ug/l	97
29) Tetrahydrofuran	5.013	42	73903	105.419	ug/l	100
30) Chloroform	5.099	83	51691	19.330	ug/l	95
31) Cyclohexane	5.464	56	42997	21.567	ug/l	91
32) 1,1,1-Trichloroethane	5.385	97	43851	18.841	ug/l	99
36) 1,1-Dichloropropene	5.690	75	36607	19.839	ug/l	99
37) Ethyl Acetate	4.715	43	43676	21.305	ug/l	98
38) Carbon Tetrachloride	5.678	117	38776	18.062	ug/l	99
39) Methylcyclohexane	7.379	83	43802	21.216	ug/l	95
40) Benzene	6.038	78	110458	20.068	ug/l	97

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41) Methacrylonitrile	4.928	41	22842	20.133	ug/l	97
42) 1,2-Dichloroethane	6.092	62	42438	20.287	ug/l	100
43) Isopropyl Acetate	6.348	43	65672	19.884	ug/l	100
44) Trichloroethene	7.129	130	30531	19.924	ug/l	99
45) 1,2-Dichloropropane	7.434	63	28219	20.341	ug/l	96
46) Dibromomethane	7.586	93	20943	19.391	ug/l	99
47) Bromodichloromethane	7.824	83	38290	17.988	ug/l	95
48) Methyl methacrylate	7.696	41	32273	20.750	ug/l	100
49) 1,4-Dioxane	7.659	88	14887	438.438	ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	226544	104.781	ug/l	100
52) Toluene	8.720	92	72693	20.728	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	35501	17.497	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	41899	18.873	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	30671	20.393	ug/l	98
56) Ethyl methacrylate	9.116	69	44812	20.747	ug/l	99
57) 1,3-Dichloropropane	9.311	76	50447	20.449	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	96684	101.548	ug/l	99
59) 2-Hexanone	9.433	43	172540	105.325	ug/l	100
60) Dibromochloromethane	9.525	129	29268	17.146	ug/l	99
61) 1,2-Dibromoethane	9.610	107	31224	19.147	ug/l	98
64) Tetrachloroethene	9.275	164	29943	20.380	ug/l	97
65) Chlorobenzene	10.079	112	79527	20.714	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	28142	18.771	ug/l	99
67) Ethyl Benzene	10.195	91	136438	21.015	ug/l	99
68) m/p-Xylenes	10.305	106	107871	42.698	ug/l	100
69) o-Xylene	10.646	106	52176	20.994	ug/l	99
70) Styrene	10.659	104	86965	21.028	ug/l	100
71) Bromoform	10.799	173	19568	15.844	ug/l #	99
73) Isopropylbenzene	10.963	105	137737	21.084	ug/l	99
74) N-amyl acetate	10.848	43	53723	20.445	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	45049	19.785	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	40106m	19.446	ug/l	
77) Bromobenzene	11.201	156	32908	19.638	ug/l	99
78) n-propylbenzene	11.305	91	155387	21.028	ug/l	99
79) 2-Chlorotoluene	11.366	91	93486	19.895	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	114728	21.175	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.024	75	8947	13.450	ug/l #	76
82) 4-Chlorotoluene	11.457	91	109077	20.730	ug/l	99
83) tert-Butylbenzene	11.719	119	112582	21.199	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	114890	21.227	ug/l	99
85) sec-Butylbenzene	11.890	105	139805	21.901	ug/l	100
86) p-Isopropyltoluene	12.012	119	116322	21.698	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	61620	19.736	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	63646	19.966	ug/l	99
89) n-Butylbenzene	12.335	91	96363	21.549	ug/l	100
90) Hexachloroethane	12.542	117	16260	15.433	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	62012	20.798	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8695	16.994	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	34548	21.303	ug/l	98
94) Hexachlorobutadiene	13.725	225	14417	22.731	ug/l	99
95) Naphthalene	13.780	128	118974	20.828	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	35285	21.644	ug/l	98

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

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