

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120122\
 Data File : VX033150.D
 Acq On : 01 Dec 2022 10:05
 Operator : JC/MD
 Sample : VX1201WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1201WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/02/2022
 Supervised By : Mahesh Dadoda 12/02/2022

Quant Time: Dec 02 00:46:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	133202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	209892	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	191218	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95808	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	61834	47.340	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.680%		
35) Dibromofluoromethane	5.385	113	53384	45.115	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.220%		
50) Toluene-d8	8.647	98	159685	44.619	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	89.240%#		
62) 4-Bromofluorobenzene	11.079	95	69407	44.653	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.300%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	16224	15.943	ug/l	98
3) Chloromethane	1.294	50	17623	16.041	ug/l	98
4) Vinyl Chloride	1.374	62	21005	17.172	ug/l	100
5) Bromomethane	1.618	94	14848	16.369	ug/l	91
6) Chloroethane	1.691	64	16602	16.671	ug/l	99
7) Trichlorofluoromethane	1.892	101	43773	18.438	ug/l	99
8) Diethyl Ether	2.136	74	13924	18.629	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.337	101	23329	18.695	ug/l	99
10) Methyl Iodide	2.453	142	18490	12.944	ug/l	99
11) Tert butyl alcohol	3.008	59	21871m	106.361	ug/l	
12) 1,1-Dichloroethene	2.325	96	21195	18.234	ug/l	96
13) Acrolein	2.239	56	20599	87.211	ug/l	100
14) Allyl chloride	2.666	41	33582	17.895	ug/l	99
15) Acrylonitrile	3.069	53	53592	92.143	ug/l	99
16) Acetone	2.392	43	61319	101.218	ug/l	99
17) Carbon Disulfide	2.514	76	49146	15.303	ug/l	98
18) Methyl Acetate	2.709	43	31609	18.849	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	75390	18.701	ug/l	100
20) Methylene Chloride	2.794	84	23878	18.115	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	23160	17.418	ug/l	95
22) Diisopropyl ether	3.757	45	75862	18.565	ug/l #	84
23) Vinyl Acetate	3.721	43	294096	91.943	ug/l	99
24) 1,1-Dichloroethane	3.611	63	43202	18.475	ug/l	97
25) 2-Butanone	4.568	43	79096	94.685	ug/l	98
26) 2,2-Dichloropropane	4.477	77	35547	18.906	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	27791	18.395	ug/l	99
28) Bromochloromethane	4.904	49	18343	17.852	ug/l	95
29) Tetrahydrofuran	5.013	42	48566	91.622	ug/l	99
30) Chloroform	5.099	83	48938	18.686	ug/l	97
31) Cyclohexane	5.471	56	36808	17.512	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	43496	18.545	ug/l	99
36) 1,1-Dichloropropene	5.690	75	33776	17.852	ug/l	99
37) Ethyl Acetate	4.715	43	28598	17.325	ug/l	99
38) Carbon Tetrachloride	5.672	117	38907	18.537	ug/l	93
39) Methylcyclohexane	7.379	83	38406	17.791	ug/l	99
40) Benzene	6.038	78	97053	18.295	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	17100	18.411	ug/l	97
42) 1,2-Dichloroethane	6.086	62	40480	18.952	ug/l	99
43) Isopropyl Acetate	6.342	43	50885	18.640	ug/l	99
44) Trichloroethene	7.123	130	26785	17.994	ug/l	97
45) 1,2-Dichloropropane	7.428	63	24924	19.012	ug/l	98
46) Dibromomethane	7.580	93	18885	18.461	ug/l	99
47) Bromodichloromethane	7.824	83	37452	18.947	ug/l	95
48) Methyl methacrylate	7.696	41	25594	18.214	ug/l	98
49) 1,4-Dioxane	7.702	88	10525	406.894	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	160632	95.356	ug/l	99
52) Toluene	8.720	92	64645	18.523	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	36814	18.325	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	39792	18.674	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	26684	18.779	ug/l	98
56) Ethyl methacrylate	9.116	69	36893	18.844	ug/l	99
57) 1,3-Dichloropropane	9.305	76	42547	18.548	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	88083	94.747	ug/l	99
59) 2-Hexanone	9.427	43	121444	97.592	ug/l	99
60) Dibromochloromethane	9.519	129	28541	18.657	ug/l	100
61) 1,2-Dibromoethane	9.610	107	27809	18.542	ug/l	100
64) Tetrachloroethene	9.275	164	24021	17.747	ug/l	95
65) Chlorobenzene	10.079	112	70811	18.574	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	27431	19.637	ug/l	98
67) Ethyl Benzene	10.195	91	127693	18.882	ug/l	99
68) m/p-Xylenes	10.299	106	96847	36.571	ug/l	98
69) o-Xylene	10.640	106	47973	18.722	ug/l	98
70) Styrene	10.659	104	79261	18.908	ug/l	100
71) Bromoform	10.799	173	20049	18.720	ug/l #	100
73) Isopropylbenzene	10.963	105	127814	18.669	ug/l	99
74) N-amyl acetate	10.842	43	43991	18.889	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	39463	19.098	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	35295m	19.452	ug/l	
77) Bromobenzene	11.195	156	31122	18.484	ug/l	98
78) n-propylbenzene	11.305	91	146377	18.700	ug/l	99
79) 2-Chlorotoluene	11.366	91	89650	18.857	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	108516	18.868	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	9838	17.624	ug/l	96
82) 4-Chlorotoluene	11.451	91	102346	18.370	ug/l	99
83) tert-Butylbenzene	11.713	119	107718	18.815	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	108537	18.926	ug/l	100
85) sec-Butylbenzene	11.890	105	130258	19.018	ug/l	100
86) p-Isopropyltoluene	12.006	119	110371	19.020	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	57888	18.330	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	59195	18.302	ug/l	100
89) n-Butylbenzene	12.335	91	93329	18.669	ug/l	99
90) Hexachloroethane	12.536	117	17454	18.307	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	57898	18.846	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7824	18.977	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	35064	18.516	ug/l	99
94) Hexachlorobutadiene	13.725	225	14761	17.668	ug/l	99
95) Naphthalene	13.774	128	114474	18.685	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	34319	18.071	ug/l	98

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

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