

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091922\
 Data File : VX031453.D
 Acq On : 19 Sep 2022 11:09
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/21/2022
 Supervised By :Mahesh Dadoda 09/21/2022

Quant Time: Sep 20 02:28:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 02:26:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	56599	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	88302	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	96852	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	66843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	22519	20.051	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	40.100%#		
35) Dibromofluoromethane	5.391	113	19154	19.948	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.900%#		
50) Toluene-d8	8.653	98	69933	19.695	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.380%#		
62) 4-Bromofluorobenzene	11.079	95	23000	18.400	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	36.800%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	15331	18.840	ug/l	91
3) Chloromethane	1.288	50	21332	19.760	ug/l	99
4) Vinyl Chloride	1.374	62	24084	19.564	ug/l	94
5) Bromomethane	1.611	94	36917	21.061	ug/l	99
6) Chloroethane	1.679	64	24976	18.801	ug/l	95
7) Trichlorofluoromethane	1.886	101	57076	20.441	ug/l	92
8) Diethyl Ether	2.136	74	19691	20.475	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.325	101	19399	21.286	ug/l	96
10) Methyl Iodide	2.453	142	18238	20.684	ug/l	99
11) Tert butyl alcohol	3.001	59	28463	100.839	ug/l #	84
12) 1,1-Dichloroethene	2.319	96	18086	20.529	ug/l	90
13) Acrolein	2.239	56	11911	92.655	ug/l	100
14) Allyl chloride	2.660	41	29208	20.330	ug/l	93
15) Acrylonitrile	3.069	53	58706	107.474	ug/l	99
16) Acetone	2.386	43	49995	100.868	ug/l	99
17) Carbon Disulfide	2.508	76	46853	19.738	ug/l	100
18) Methyl Acetate	2.709	43	31450	20.276	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	67165	21.080	ug/l	100
20) Methylene Chloride	2.788	84	21710	19.191	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	20674	20.781	ug/l	95
22) Diisopropyl ether	3.764	45	63697	20.474	ug/l	95
23) Vinyl Acetate	3.727	43	282121	106.036	ug/l	97
24) 1,1-Dichloroethane	3.611	63	36986	21.037	ug/l	98
25) 2-Butanone	4.562	43	85609	106.829	ug/l	100
26) 2,2-Dichloropropane	4.471	77	32081	20.657	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	25213	21.028	ug/l	88
28) Bromochloromethane	4.904	49	15376	21.892	ug/l	86
29) Tetrahydrofuran	5.007	42	54465	104.218	ug/l	96
30) Chloroform	5.099	83	40799	21.159	ug/l	98
31) Cyclohexane	5.471	56	31542	20.488	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	36877	21.055	ug/l	99
36) 1,1-Dichloropropene	5.696	75	28941	20.619	ug/l	98
37) Ethyl Acetate	4.721	43	33304	19.890	ug/l	98
38) Carbon Tetrachloride	5.678	117	31969	20.548	ug/l	98
39) Methylcyclohexane	7.379	83	35271	20.423	ug/l	92
40) Benzene	6.038	78	87250	20.836	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	16711	20.045	ug/l	94
42) 1,2-Dichloroethane	6.092	62	31462	20.384	ug/l	98
43) Isopropyl Acetate	6.342	43	54718	21.262	ug/l	99
44) Trichloroethene	7.129	130	24428	20.575	ug/l	90
45) 1,2-Dichloropropane	7.434	63	21734	20.648	ug/l	95
46) Dibromomethane	7.586	93	17145	21.161	ug/l	95
47) Bromodichloromethane	7.824	83	31715	20.819	ug/l	99
48) Methyl methacrylate	7.696	41	24148	20.538	ug/l	91
49) 1,4-Dioxane	7.684	88	11745	437.417	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	175800	106.204	ug/l	98
52) Toluene	8.720	92	56252	20.598	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	32517	20.628	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	35601	20.650	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	23481	20.867	ug/l	95
56) Ethyl methacrylate	9.116	69	33534	20.953	ug/l	96
57) 1,3-Dichloropropane	9.311	76	38604	20.905	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	69679	112.611	ug/l	97
59) 2-Hexanone	9.433	43	130655	105.098	ug/l	100
60) Dibromochloromethane	9.519	129	24687	20.659	ug/l	99
61) 1,2-Dibromoethane	9.610	107	25040	20.655	ug/l	97
64) Tetrachloroethene	9.275	164	23873	20.522	ug/l	95
65) Chlorobenzene	10.079	112	61411	20.561	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.165	131	22850	21.204	ug/l	99
67) Ethyl Benzene	10.195	91	107804	20.443	ug/l	99
68) m/p-Xylenes	10.305	106	83617	39.457	ug/l	99
69) o-Xylene	10.640	106	40261	19.904	ug/l	99
70) Styrene	10.659	104	67980	20.412	ug/l	97
71) Bromoform	10.799	173	17342	20.114	ug/l #	98
73) Isopropylbenzene	10.963	105	106746	21.385	ug/l	99
74) N-amyl acetate	10.842	43	45747	22.612	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	34903	20.741	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	32437m	22.733	ug/l	
77) Bromobenzene	11.201	156	26417	21.473	ug/l	94
78) n-propylbenzene	11.305	91	125242	21.809	ug/l	100
79) 2-Chlorotoluene	11.366	91	72682	21.263	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	90378	21.335	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	10200	22.014	ug/l	89
82) 4-Chlorotoluene	11.457	91	83675	20.859	ug/l	98
83) tert-Butylbenzene	11.719	119	89265	21.742	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	90479	21.688	ug/l	99
85) sec-Butylbenzene	11.890	105	110420	21.251	ug/l	100
86) p-Isopropyltoluene	12.012	119	93542	21.320	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	49909	21.166	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	50501	20.533	ug/l	98
89) n-Butylbenzene	12.335	91	80284	21.481	ug/l	99
90) Hexachloroethane	12.542	117	16081	21.330	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	49149	20.698	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7720	22.508	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	29042	22.196	ug/l	97
94) Hexachlorobutadiene	13.725	225	11126	21.289	ug/l	97
95) Naphthalene	13.774	128	107776	22.492	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	30097	22.318	ug/l	96

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

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