

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
 Data File : VX032200.D
 Acq On : 19 Oct 2022 12:09
 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 : John Carlone 10/20/2022
 Supervised By : Mahesh Dadoda 10/20/2022

Quant Time: Oct 19 12:34:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 19 11:57:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	129755	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	201614	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	181004	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	32971	17.820	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	35.640%#		
35) Dibromofluoromethane	5.385	113	27602	20.414	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.820%#		
50) Toluene-d8	8.647	98	98900	20.078	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	40.160%#		
62) 4-Bromofluorobenzene	11.079	95	34895	18.204	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	36.400%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	23131	18.545	ug/l	99
3) Chloromethane	1.295	50	23417	17.978	ug/l	99
4) Vinyl Chloride	1.374	62	24763	19.103	ug/l	93
5) Bromomethane	1.612	94	27425	35.538	ug/l	95
6) Chloroethane	1.685	64	16590	19.376	ug/l	99
7) Trichlorofluoromethane	1.886	101	44054	20.260	ug/l	97
8) Diethyl Ether	2.136	74	15028	19.973	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	23815	18.643	ug/l	95
10) Methyl Iodide	2.453	142	34963	19.783	ug/l	96
11) Tert butyl alcohol	2.971	59	26442	60.234	ug/l	96
12) 1,1-Dichloroethene	2.319	96	22796	19.054	ug/l	99
13) Acrolein	2.233	56	20198	165.628	ug/l	98
14) Allyl chloride	2.666	41	35848	16.487	ug/l	91
15) Acrylonitrile	3.063	53	62820	83.009	ug/l	97
16) Acetone	2.380	43	53690	68.053	ug/l	93
17) Carbon Disulfide	2.514	76	51355	17.129	ug/l	99
18) Methyl Acetate	2.703	43	37527	15.172	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	76179	17.326	ug/l	99
20) Methylene Chloride	2.788	84	26128	17.246	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	24829	18.957	ug/l	98
22) Diisopropyl ether	3.758	45	75918	17.777	ug/l #	85
23) Vinyl Acetate	3.721	43	307823	88.776	ug/l	95
24) 1,1-Dichloroethane	3.611	63	44986	17.952	ug/l	98
25) 2-Butanone	4.556	43	84718	72.906	ug/l	96
26) 2,2-Dichloropropane	4.477	77	31693	14.440	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	29600	19.569	ug/l	96
28) Bromochloromethane	4.898	49	18869	18.481	ug/l	98
29) Tetrahydrofuran	5.007	42	54548	74.999	ug/l	94
30) Chloroform	5.093	83	48855	18.334	ug/l	98
31) Cyclohexane	5.477	56	38127	17.617	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	41450	17.380	ug/l	99
36) 1,1-Dichloropropene	5.696	75	35462	19.131	ug/l	97
37) Ethyl Acetate	4.715	43	34353	15.905	ug/l	97
38) Carbon Tetrachloride	5.678	117	37105	17.785	ug/l	97
39) Methylcyclohexane	7.385	83	41649	18.819	ug/l	97
40) Benzene	6.038	78	102616	19.302	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	18768	16.294	ug/l	95
42) 1,2-Dichloroethane	6.086	62	39302	17.728	ug/l	96
43) Isopropyl Acetate	6.342	43	53491	15.558	ug/l	94
44) Trichloroethene	7.129	130	28524	19.095	ug/l	93
45) 1,2-Dichloropropane	7.428	63	26611	18.965	ug/l	96
46) Dibromomethane	7.580	93	19686	19.166	ug/l	97
47) Bromodichloromethane	7.824	83	35389	18.529	ug/l	96
48) Methyl methacrylate	7.696	41	27138	15.819	ug/l #	88
49) 1,4-Dioxane	7.684	88	12585	350.359	ug/l	93
51) 4-Methyl-2-Pentanone	8.574	43	176593	80.602	ug/l	91
52) Toluene	8.720	92	65952	18.927	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	34154	15.769	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	38991	17.396	ug/l #	90
55) 1,1,2-Trichloroethane	9.153	97	27376	18.448	ug/l	96
56) Ethyl methacrylate	9.116	69	38565	17.331	ug/l #	84
57) 1,3-Dichloropropane	9.311	76	43848	18.143	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	85793	79.888	ug/l	98
59) 2-Hexanone	9.433	43	130406	76.388	ug/l	90
60) Dibromochloromethane	9.519	129	27239	18.183	ug/l	99
61) 1,2-Dibromoethane	9.610	107	28507	18.028	ug/l	100
64) Tetrachloroethene	9.275	164	23607	16.836	ug/l	96
65) Chlorobenzene	10.080	112	71878	19.302	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	25915	18.777	ug/l	100
67) Ethyl Benzene	10.195	91	129368	19.859	ug/l	100
68) m/p-Xylenes	10.299	106	100927	40.469	ug/l	97
69) o-Xylene	10.640	106	49002	19.684	ug/l	97
70) Styrene	10.659	104	79763	19.750	ug/l	99
71) Bromoform	10.799	173	18645	17.943	ug/l #	97
73) Isopropylbenzene	10.964	105	128097	19.113	ug/l	100
74) N-amyl acetate	10.842	43	47752	16.925	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.214	83	41533	19.155	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	35491m	17.149	ug/l	
77) Bromobenzene	11.201	156	31281	18.571	ug/l	94
78) n-propylbenzene	11.305	91	148894	19.665	ug/l	100
79) 2-Chlorotoluene	11.366	91	87210	18.543	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	109012	19.296	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	9422	13.390	ug/l #	81
82) 4-Chlorotoluene	11.457	91	101887	19.041	ug/l	100
83) tert-Butylbenzene	11.713	119	111311	20.414	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	109951	19.785	ug/l	98
85) sec-Butylbenzene	11.890	105	134651	19.709	ug/l	99
86) p-Isopropyltoluene	12.012	119	113910	19.863	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	59207	19.623	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	59905	19.451	ug/l	98
89) n-Butylbenzene	12.335	91	97099	19.569	ug/l	99
90) Hexachloroethane	12.543	117	17305	18.730	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	58928	19.908	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8188	16.460	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	38064	21.822	ug/l	98
94) Hexachlorobutadiene	13.725	225	16244	18.649	ug/l	98
95) Naphthalene	13.780	128	130172	23.207	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	38853	22.098	ug/l	99

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

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