

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
 Data File : VX032198.D
 Acq On : 19 Oct 2022 11:22
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2022
 Supervised By : Mahesh Dadoda 10/20/2022

Quant Time: Oct 19 11:58:08 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	127063	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	197440	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	173469	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	8492	4.687	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	9.380%#		
35) Dibromofluoromethane	5.385	113	7155	5.404	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.800%#		
50) Toluene-d8	8.653	98	24846	5.151	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.300%#		
62) 4-Bromofluorobenzene	11.079	95	7911	4.214	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	8.420%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	5805	4.753	ug/l	96
3) Chloromethane	1.294	50	5934	4.652	ug/l	100
4) Vinyl Chloride	1.374	62	6236	4.913	ug/l	91
5) Bromomethane	1.611	94	6966	9.218	ug/l	95
6) Chloroethane	1.685	64	5894m	7.029	ug/l	
7) Trichlorofluoromethane	1.886	101	11041	5.185	ug/l	100
8) Diethyl Ether	2.130	74	3579	4.857	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.331	101	6290	5.028	ug/l	99
10) Methyl Iodide	2.453	142	8020	4.634	ug/l	95
11) Tert butyl alcohol	2.947	59	9946	23.137	ug/l #	73
12) 1,1-Dichloroethene	2.319	96	5557	4.743	ug/l	96
13) Acrolein	2.239	56	5210	43.628	ug/l	99
14) Allyl chloride	2.666	41	8186	3.845	ug/l	91
15) Acrylonitrile	3.068	53	15126	20.411	ug/l	98
16) Acetone	2.386	43	13237	17.134	ug/l	90
17) Carbon Disulfide	2.514	76	11886	4.048	ug/l	99
18) Methyl Acetate	2.703	43	8294	3.424	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	18410	4.276	ug/l	94
20) Methylene Chloride	2.788	84	6891	4.645	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	6305	4.916	ug/l	94
22) Diisopropyl ether	3.757	45	18465	4.415	ug/l #	75
23) Vinyl Acetate	3.721	43	70875	20.873	ug/l	97
24) 1,1-Dichloroethane	3.605	63	11028	4.494	ug/l	99
25) 2-Butanone	4.568	43	20573	18.080	ug/l	93
26) 2,2-Dichloropropane	4.471	77	7083	3.296	ug/l	93
27) cis-1,2-Dichloroethene	4.483	96	7257	4.899	ug/l	96
28) Bromochloromethane	4.897	49	4995	4.996	ug/l #	93
29) Tetrahydrofuran	5.013	42	13273	18.636	ug/l	90
30) Chloroform	5.099	83	11927	4.571	ug/l	100
31) Cyclohexane	5.470	56	9396	4.433	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	9916	4.246	ug/l	97
36) 1,1-Dichloropropene	5.696	75	8419	4.638	ug/l	100
37) Ethyl Acetate	4.715	43	7987	3.776	ug/l	95
38) Carbon Tetrachloride	5.678	117	8471	4.146	ug/l #	97
39) Methylcyclohexane	7.385	83	10497	4.843	ug/l	92
40) Benzene	6.037	78	25472	4.892	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	4179	3.705	ug/l	93
42) 1,2-Dichloroethane	6.086	62	9568	4.407	ug/l	97
43) Isopropyl Acetate	6.348	43	12521	3.719	ug/l	92
44) Trichloroethene	7.123	130	6800	4.649	ug/l	92
45) 1,2-Dichloropropane	7.434	63	6091	4.433	ug/l	98
46) Dibromomethane	7.586	93	4487	4.461	ug/l	94
47) Bromodichloromethane	7.824	83	8227	4.399	ug/l #	94
48) Methyl methacrylate	7.696	41	6220	3.702	ug/l #	90
49) 1,4-Dioxane	7.702	88	2870	81.588	ug/l	91
51) 4-Methyl-2-Pentanone	8.574	43	40847	19.038	ug/l	91
52) Toluene	8.720	92	16117	4.723	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	7308	3.445	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	8585	3.911	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	6421	4.418	ug/l	98
56) Ethyl methacrylate	9.116	69	8414	3.861	ug/l #	83
57) 1,3-Dichloropropane	9.311	76	10576	4.469	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	22908	21.782	ug/l	97
59) 2-Hexanone	9.433	43	29648	17.734	ug/l	88
60) Dibromochloromethane	9.525	129	6055	4.127	ug/l	97
61) 1,2-Dibromoethane	9.610	107	6550	4.230	ug/l	98
64) Tetrachloroethene	9.275	164	5962	4.437	ug/l	94
65) Chlorobenzene	10.079	112	17667	4.950	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.165	131	5924	4.479	ug/l	99
67) Ethyl Benzene	10.195	91	30037	4.811	ug/l	97
68) m/p-Xylenes	10.305	106	23418	9.798	ug/l	99
69) o-Xylene	10.640	106	11280	4.728	ug/l	99
70) Styrene	10.659	104	17964	4.641	ug/l	97
71) Bromoform	10.799	173	3964	3.980	ug/l #	96
73) Isopropylbenzene	10.963	105	30216	4.836	ug/l	100
74) N-amyl acetate	10.841	43	10317	3.922	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	9665	4.781	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	7919m	4.104	ug/l	
77) Bromobenzene	11.201	156	7568	4.819	ug/l	88
78) n-propylbenzene	11.305	91	33941	4.808	ug/l	99
79) 2-Chlorotoluene	11.366	91	20754	4.733	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	25288	4.801	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	1889	2.879	ug/l #	76
82) 4-Chlorotoluene	11.457	91	23117	4.634	ug/l	96
83) tert-Butylbenzene	11.713	119	25175	4.952	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	25642	4.949	ug/l	98
85) sec-Butylbenzene	11.890	105	31124	4.886	ug/l	99
86) p-Isopropyltoluene	12.012	119	26193	4.899	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	14071	5.002	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	14672	5.110	ug/l	96
89) n-Butylbenzene	12.335	91	21485	4.644	ug/l	98
90) Hexachloroethane	12.536	117	3696	4.291	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	14204	5.147	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1657	3.573	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	8800	5.411	ug/l	98
94) Hexachlorobutadiene	13.725	225	3953	4.868	ug/l	99
95) Naphthalene	13.780	128	28138	5.380	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	8863	5.407	ug/l	99

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

