

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111022\
 Data File : VX032744.D
 Acq On : 10 Nov 2022 21:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/11/2022
 Supervised By : Mahesh Dadoda 11/11/2022

Quant Time: Nov 11 00:39:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	108811	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	170559	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157027	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81645	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	75373	49.853	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.700%		
35) Dibromofluoromethane	5.385	113	62414	51.301	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.600%		
50) Toluene-d8	8.653	98	206442	48.799	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.600%		
62) 4-Bromofluorobenzene	11.079	95	84947	51.405	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.800%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	56257	44.827	ug/l	96
3) Chloromethane	1.294	50	44675	42.094	ug/l	100
4) Vinyl Chloride	1.373	62	51795	44.343	ug/l	98
5) Bromomethane	1.611	94	50897	54.526	ug/l	97
6) Chloroethane	1.684	64	42807	54.629	ug/l	99
7) Trichlorofluoromethane	1.886	101	105731	47.773	ug/l	97
8) Diethyl Ether	2.135	74	35169	49.035	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	57715	49.408	ug/l	98
10) Methyl Iodide	2.453	142	51595	40.105	ug/l	99
11) Tert butyl alcohol	2.983	59	52236	237.376	ug/l	100
12) 1,1-Dichloroethene	2.318	96	50686	46.449	ug/l	95
13) Acrolein	2.239	56	57712	262.706	ug/l	98
14) Allyl chloride	2.666	41	85903	49.384	ug/l	99
15) Acrylonitrile	3.062	53	144983	242.765	ug/l	99
16) Acetone	2.385	43	129473	235.617	ug/l	100
17) Carbon Disulfide	2.513	76	103555	39.842	ug/l	98
18) Methyl Acetate	2.702	43	100187	56.067	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	201048	52.420	ug/l	100
20) Methylene Chloride	2.788	84	59308	47.073	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	56571	47.627	ug/l	98
22) Diisopropyl ether	3.763	45	198935	52.873	ug/l	99
23) Vinyl Acetate	3.721	43	771943	253.943	ug/l	100
24) 1,1-Dichloroethane	3.611	63	110457	51.038	ug/l	99
25) 2-Butanone	4.562	43	206041	242.020	ug/l	98
26) 2,2-Dichloropropane	4.477	77	83635	48.615	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	69760	50.810	ug/l	98
28) Bromochloromethane	4.897	49	35790	46.428	ug/l	99
29) Tetrahydrofuran	5.007	42	133476	245.872	ug/l	100
30) Chloroform	5.098	83	125762	52.958	ug/l	96
31) Cyclohexane	5.470	56	87778	47.884	ug/l	100
32) 1,1,1-Trichloroethane	5.391	97	112577	52.828	ug/l	100
36) 1,1-Dichloropropene	5.696	75	83209	49.114	ug/l	99
37) Ethyl Acetate	4.714	43	84785	48.078	ug/l	98
38) Carbon Tetrachloride	5.678	117	96341	51.270	ug/l	98
39) Methylcyclohexane	7.385	83	92731	46.261	ug/l	98
40) Benzene	6.043	78	241556	50.384	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	47469	52.839	ug/l	98
42) 1,2-Dichloroethane	6.086	62	103136	52.626	ug/l	99
43) Isopropyl Acetate	6.342	43	144794	53.475	ug/l	99
44) Trichloroethene	7.128	130	68273	50.587	ug/l	98
45) 1,2-Dichloropropane	7.433	63	63604	51.681	ug/l	97
46) Dibromomethane	7.580	93	48455	51.338	ug/l	98
47) Bromodichloromethane	7.823	83	95224	53.233	ug/l	97
48) Methyl methacrylate	7.695	41	71922	51.431	ug/l	99
49) 1,4-Dioxane	7.689	88	25453	955.072	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	442820	259.641	ug/l	100
52) Toluene	8.720	92	159721	51.063	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	97858	53.617	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	102552	52.533	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	69538	52.788	ug/l	99
56) Ethyl methacrylate	9.116	69	102929	54.296	ug/l	100
57) 1,3-Dichloropropane	9.311	76	110486	51.937	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	244304	267.644	ug/l	100
59) 2-Hexanone	9.433	43	321496	254.045	ug/l	100
60) Dibromochloromethane	9.524	129	75566	52.519	ug/l	100
61) 1,2-Dibromoethane	9.610	107	72908	52.234	ug/l	99
64) Tetrachloroethene	9.274	164	58348	50.767	ug/l	97
65) Chlorobenzene	10.079	112	177570	50.482	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	70007	52.882	ug/l	99
67) Ethyl Benzene	10.195	91	322026	51.196	ug/l	100
68) m/p-Xylenes	10.305	106	245417	100.478	ug/l	99
69) o-Xylene	10.646	106	122642	51.644	ug/l	99
70) Styrene	10.658	104	207570	52.594	ug/l	99
71) Bromoform	10.799	173	53660	51.267	ug/l #	99
73) Isopropylbenzene	10.963	105	330565	51.094	ug/l	100
74) N-amyl acetate	10.841	43	129211	52.857	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	102836	49.520	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	93590m	51.525	ug/l	
77) Bromobenzene	11.201	156	80172	50.546	ug/l	97
78) n-propylbenzene	11.305	91	377202	50.604	ug/l	100
79) 2-Chlorotoluene	11.366	91	228504	51.188	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	283610	51.291	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	28660	50.207	ug/l	97
82) 4-Chlorotoluene	11.457	91	265894	50.903	ug/l	100
83) tert-Butylbenzene	11.713	119	281114	50.923	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	278781	50.692	ug/l	100
85) sec-Butylbenzene	11.890	105	339425	51.099	ug/l	99
86) p-Isopropyltoluene	12.012	119	288071	51.109	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	152940	51.117	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	153775	49.542	ug/l	99
89) n-Butylbenzene	12.335	91	243372	49.632	ug/l	99
90) Hexachloroethane	12.542	117	47107	51.167	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	150128	50.888	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	22035	48.394	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	92783	48.234	ug/l	99
94) Hexachlorobutadiene	13.725	225	38109	47.436	ug/l	97
95) Naphthalene	13.774	128	315436	49.213	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	92639	47.377	ug/l	99

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

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