

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102822\
 Data File : VX032447.D
 Acq On : 28 Oct 2022 10:13
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/31/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 29 04:30:27 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	5.550	168	123252	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	189399	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	174863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94863	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79888	46.648	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.300%		
35) Dibromofluoromethane	5.379	113	64186	47.510	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.020%		
50) Toluene-d8	8.647	98	223856	47.652	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.300%		
62) 4-Bromofluorobenzene	11.079	95	89018	48.510	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.020%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	78905	55.507	ug/l	97
3) Chloromethane	1.294	50	63088	52.478	ug/l	97
4) Vinyl Chloride	1.374	62	70338	53.163	ug/l	100
5) Bromomethane	1.618	94	57741	54.610	ug/l	99
6) Chloroethane	1.691	64	59463	66.993	ug/l	100
7) Trichlorofluoromethane	1.886	101	130867	52.202	ug/l	100
8) Diethyl Ether	2.130	74	40980	50.443	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	70733	53.457	ug/l	100
10) Methyl Iodide	2.453	142	80591	54.577	ug/l	99
11) Tert butyl alcohol	2.983	59	49596	198.972	ug/l	100
12) 1,1-Dichloroethene	2.319	96	63677	51.516	ug/l	98
13) Acrolein	2.233	56	82346	330.922	ug/l	100
14) Allyl chloride	2.666	41	105350	53.467	ug/l	99
15) Acrylonitrile	3.062	53	154539	228.447	ug/l	100
16) Acetone	2.386	43	132466	212.819	ug/l	99
17) Carbon Disulfide	2.514	76	161599	54.889	ug/l	99
18) Methyl Acetate	2.703	43	97316	48.079	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	218546	50.306	ug/l	99
20) Methylene Chloride	2.788	84	70783	49.598	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	69397	51.579	ug/l	98
22) Diisopropyl ether	3.757	45	222313	52.163	ug/l	96
23) Vinyl Acetate	3.721	43	889033	258.195	ug/l	99
24) 1,1-Dichloroethane	3.605	63	125489	51.190	ug/l	99
25) 2-Butanone	4.556	43	217106	225.137	ug/l	98
26) 2,2-Dichloropropane	4.477	77	108389	55.622	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	81556	52.441	ug/l	98
28) Bromochloromethane	4.897	49	39601	45.352	ug/l	98
29) Tetrahydrofuran	5.001	42	138833	225.776	ug/l	100
30) Chloroform	5.093	83	139005	51.676	ug/l	100
31) Cyclohexane	5.471	56	112691	54.271	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	127145	52.673	ug/l	99
36) 1,1-Dichloropropene	5.690	75	101921	54.175	ug/l	100
37) Ethyl Acetate	4.708	43	91203	46.573	ug/l	98
38) Carbon Tetrachloride	5.678	117	116841	55.994	ug/l	94
39) Methylcyclohexane	7.379	83	126699	56.920	ug/l	95
40) Benzene	6.037	78	282057	52.980	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	51627	51.751	ug/l	96
42) 1,2-Dichloroethane	6.086	62	116671	53.610	ug/l	100
43) Isopropyl Acetate	6.336	43	150376	50.012	ug/l	99
44) Trichloroethene	7.123	130	78540	52.405	ug/l	95
45) 1,2-Dichloropropane	7.428	63	72300	52.904	ug/l	99
46) Dibromomethane	7.580	93	54779	52.265	ug/l	99
47) Bromodichloromethane	7.818	83	110158	55.456	ug/l	96
48) Methyl methacrylate	7.690	41	76772	49.438	ug/l	99
49) 1,4-Dioxane	7.690	88	25743	869.868	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	456767	241.178	ug/l	100
52) Toluene	8.720	92	185211	53.322	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	113896	56.196	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	121665	56.124	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	75631	51.702	ug/l	98
56) Ethyl methacrylate	9.116	69	109713	52.118	ug/l	99
57) 1,3-Dichloropropane	9.305	76	122933	52.040	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	243818	240.541	ug/l	99
59) 2-Hexanone	9.427	43	347829	247.513	ug/l	100
60) Dibromochloromethane	9.519	129	85941	53.788	ug/l	100
61) 1,2-Dibromoethane	9.610	107	80407	51.877	ug/l	100
64) Tetrachloroethene	9.275	164	68370	53.419	ug/l	94
65) Chlorobenzene	10.079	112	201976	51.564	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	77722	52.721	ug/l	99
67) Ethyl Benzene	10.195	91	375453	53.601	ug/l	100
68) m/p-Xylenes	10.299	106	290835	106.928	ug/l	100
69) o-Xylene	10.640	106	141834	53.634	ug/l	99
70) Styrene	10.653	104	234774	53.419	ug/l	100
71) Bromoform	10.799	173	61758	52.985	ug/l #	99
73) Isopropylbenzene	10.963	105	382033	50.822	ug/l	100
74) N-amyl acetate	10.842	43	141458	49.804	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	113886	47.199	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	103862m	49.213	ug/l	
77) Bromobenzene	11.201	156	91258	49.519	ug/l	99
78) n-propylbenzene	11.305	91	450104	51.971	ug/l	100
79) 2-Chlorotoluene	11.366	91	262719	50.652	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	333920	51.975	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	33131	49.953	ug/l	98
82) 4-Chlorotoluene	11.457	91	314593	51.835	ug/l	100
83) tert-Butylbenzene	11.713	119	329395	51.355	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	332155	51.981	ug/l	100
85) sec-Butylbenzene	11.890	105	411920	53.372	ug/l	100
86) p-Isopropyltoluene	12.012	119	352885	53.885	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	178117	51.237	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	180158	49.954	ug/l	99
89) n-Butylbenzene	12.335	91	314735	55.242	ug/l	99
90) Hexachloroethane	12.536	117	59612	55.728	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	174011	50.765	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	24435	46.187	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	111385	49.836	ug/l	98
94) Hexachlorobutadiene	13.725	225	48769	52.247	ug/l	98
95) Naphthalene	13.774	128	352494	47.332	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	109206	48.067	ug/l	100

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

