

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112822\
 Data File : VX033089.D
 Acq On : 28 Nov 2022 14:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/29/2022
 Supervised By : Mahesh Dadoda 11/29/2022

Quant Time: Nov 29 01:43:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	130996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	206294	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	192790	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99931	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	64698	50.581	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.160%			
35) Dibromofluoromethane	5.385	113	55828	48.003	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.000%			
50) Toluene-d8	8.647	98	175739	50.232	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.460%			
62) 4-Bromofluorobenzene	11.079	95	77958	51.029	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.060%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	45884	45.848	ug/l	97
3) Chloromethane	1.295	50	49692	45.994	ug/l	99
4) Vinyl Chloride	1.374	62	57933	48.158	ug/l	97
5) Bromomethane	1.618	94	40387	45.274	ug/l	94
6) Chloroethane	1.691	64	50600	51.667	ug/l	98
7) Trichlorofluoromethane	1.886	101	121590	52.077	ug/l	99
8) Diethyl Ether	2.136	74	39468	53.693	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	63464	51.715	ug/l	100
10) Methyl Iodide	2.453	142	55899	39.790	ug/l	99
11) Tert butyl alcohol	3.020	59	63289m	312.964	ug/l	
12) 1,1-Dichloroethene	2.319	96	60324	52.770	ug/l	94
13) Acrolein	2.239	56	74986	322.819	ug/l	99
14) Allyl chloride	2.666	41	94825	51.380	ug/l	99
15) Acrylonitrile	3.069	53	160179	280.040	ug/l	98
16) Acetone	2.392	43	139831	234.703	ug/l	97
17) Carbon Disulfide	2.514	76	144575	45.776	ug/l	98
18) Methyl Acetate	2.709	43	93378	56.620	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	219090	55.262	ug/l	99
20) Methylene Chloride	2.788	84	66056	53.373	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	65443	50.046	ug/l	97
22) Diisopropyl ether	3.757	45	221732	55.175	ug/l #	84
23) Vinyl Acetate	3.721	43	883737	280.935	ug/l	99
24) 1,1-Dichloroethane	3.611	63	120699	52.486	ug/l	99
25) 2-Butanone	4.568	43	223066	271.526	ug/l	97
26) 2,2-Dichloropropane	4.483	77	97117	52.522	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	79143	53.269	ug/l	99
28) Bromochloromethane	4.904	49	52994	52.445	ug/l	98
29) Tetrahydrofuran	5.013	42	147487	282.925	ug/l	99
30) Chloroform	5.099	83	137386	53.341	ug/l	99
31) Cyclohexane	5.471	56	106183	51.370	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	125578	54.443	ug/l	100
36) 1,1-Dichloropropene	5.696	75	97462	52.410	ug/l	99
37) Ethyl Acetate	4.721	43	92103	56.770	ug/l	99
38) Carbon Tetrachloride	5.678	117	110257	53.447	ug/l	96
39) Methylcyclohexane	7.385	83	110668	52.158	ug/l	97
40) Benzene	6.038	78	276074	52.950	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	51767	56.707	ug/l	98
42) 1,2-Dichloroethane	6.086	62	115009	54.784	ug/l	99
43) Isopropyl Acetate	6.342	43	156549	58.346	ug/l	99
44) Trichloroethene	7.129	130	77301	52.835	ug/l	99
45) 1,2-Dichloropropane	7.428	63	71044	55.136	ug/l	99
46) Dibromomethane	7.580	93	54216	53.925	ug/l	99
47) Bromodichloromethane	7.824	83	109042	56.128	ug/l	99
48) Methyl methacrylate	7.696	41	78613	56.920	ug/l	98
49) 1,4-Dioxane	7.720	88	32260	1268.917	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	490149	296.043	ug/l	99
52) Toluene	8.720	92	185790	54.163	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	111410	53.270	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	117619	56.160	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	76820	55.006	ug/l	99
56) Ethyl methacrylate	9.116	69	115134	59.835	ug/l	98
57) 1,3-Dichloropropane	9.311	76	123347	54.710	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	279400	305.780	ug/l	99
59) 2-Hexanone	9.433	43	362139	296.090	ug/l	98
60) Dibromochloromethane	9.525	129	87326	58.078	ug/l	99
61) 1,2-Dibromoethane	9.610	107	83619	56.726	ug/l	99
64) Tetrachloroethene	9.275	164	66145	48.470	ug/l	97
65) Chlorobenzene	10.080	112	203444	52.929	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	78303	55.598	ug/l	98
67) Ethyl Benzene	10.195	91	367296	53.869	ug/l	100
68) m/p-Xylenes	10.305	106	287973	107.856	ug/l	100
69) o-Xylene	10.640	106	142458	55.144	ug/l	97
70) Styrene	10.659	104	238252	56.372	ug/l	99
71) Bromoform	10.799	173	64483	59.717	ug/l #	100
73) Isopropylbenzene	10.964	105	380941	53.346	ug/l	100
74) N-amyl acetate	10.842	43	142101	58.497	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	116590	54.095	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	106479m	56.263	ug/l	
77) Bromobenzene	11.201	156	92127	52.458	ug/l	99
78) n-propylbenzene	11.305	91	436425	53.453	ug/l	100
79) 2-Chlorotoluene	11.366	91	261928	52.821	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	326876	54.489	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	34088	58.547	ug/l	98
82) 4-Chlorotoluene	11.457	91	304535	52.407	ug/l	99
83) tert-Butylbenzene	11.713	119	325690	54.542	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	321664	53.775	ug/l	99
85) sec-Butylbenzene	11.890	105	387232	54.204	ug/l	100
86) p-Isopropyltoluene	12.012	119	329403	54.422	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	173970	52.814	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	175620	52.058	ug/l	99
89) n-Butylbenzene	12.335	91	279242	53.553	ug/l	99
90) Hexachloroethane	12.536	117	55265	55.575	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	170225	53.123	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	25602	59.536	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	103839	52.571	ug/l	99
94) Hexachlorobutadiene	13.725	225	41949	48.138	ug/l	99
95) Naphthalene	13.774	128	358640	56.125	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	106243	53.636	ug/l	100

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

