

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041423\
 Data File : VX035054.D
 Acq On : 13 Apr 2023 10:56
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

04/14/2023
 Supervised By :Mahesh
 Dadoda

Quant Time: Apr 14 05:39:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	272533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	458625	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	417475	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	207659	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	201550	48.357	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.720%
35) Dibromofluoromethane	5.379	113	156134	51.471	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.940%
50) Toluene-d8	8.647	98	554242	49.501	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.000%
62) 4-Bromofluorobenzene	11.079	95	227204	52.438	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.880%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	174934	64.356	ug/l	100
3) Chloromethane	1.295	50	180895	53.152	ug/l	99
4) Vinyl Chloride	1.374	62	170559	50.614	ug/l	98
5) Bromomethane	1.618	94	109794	50.140	ug/l	96
6) Chloroethane	1.691	64	93317	42.563	ug/l	98
7) Trichlorofluoromethane	1.886	101	232678	42.950	ug/l	98
8) Diethyl Ether	2.130	74	102371	53.601	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	146516	51.745	ug/l	98
10) Methyl Iodide	2.453	142	186798	52.976	ug/l	95
11) Tert butyl alcohol	3.002	59	194244m	265.619	ug/l	
12) 1,1-Dichloroethene	2.319	96	142958	51.096	ug/l	98
13) Acrolein	2.239	56	246197	327.044	ug/l	100
14) Allyl chloride	2.666	41	294135	53.661	ug/l	98
15) Acrylonitrile	3.069	53	483918	293.980	ug/l	99
16) Acetone	2.392	43	496189	293.051	ug/l	99
17) Carbon Disulfide	2.508	76	366448	52.296	ug/l	99
18) Methyl Acetate	2.703	43	353713	58.796	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	577733	55.772	ug/l	97
20) Methylene Chloride	2.788	84	176977	52.968	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	160150	52.484	ug/l	99
22) Diisopropyl ether	3.757	45	593470	53.660	ug/l	92
23) Vinyl Acetate	3.721	43	2265473	287.213	ug/l	100
24) 1,1-Dichloroethane	3.605	63	312649	52.540	ug/l	99
25) 2-Butanone	4.556	43	719728	292.221	ug/l	99
26) 2,2-Dichloropropane	4.477	77	247058	50.485	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	195929	54.189	ug/l	99
28) Bromochloromethane	4.898	49	167405	57.509	ug/l	97
29) Tetrahydrofuran	5.007	42	448260	290.524	ug/l	100
30) Chloroform	5.093	83	318305	52.664	ug/l	98
31) Cyclohexane	5.471	56	257904	50.817	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	266246	51.620	ug/l	98
36) 1,1-Dichloropropene	5.690	75	228791	50.909	ug/l	99
37) Ethyl Acetate	4.709	43	270075	57.473	ug/l	99
38) Carbon Tetrachloride	5.678	117	224043	52.877	ug/l	98
39) Methylcyclohexane	7.379	83	243843	51.096	ug/l	95
40) Benzene	6.031	78	688667	53.382	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	150609	58.933	ug/l	100
42) 1,2-Dichloroethane	6.080	62	265950	51.853	ug/l	98
43) Isopropyl Acetate	6.336	43	444971	56.599	ug/l	98
44) Trichloroethene	7.123	130	179557	54.524	ug/l	99
45) 1,2-Dichloropropane	7.428	63	182846	54.390	ug/l	98
46) Dibromomethane	7.580	93	127362	55.062	ug/l	96
47) Bromodichloromethane	7.818	83	243172	56.915	ug/l	98
48) Methyl methacrylate	7.690	41	224272	58.088	ug/l	97
49) 1,4-Dioxane	7.714	88	88572	1113.186	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	1344408	288.942	ug/l	98
52) Toluene	8.714	92	437748	52.041	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	276815	60.226	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	300548	59.751	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	183099	57.513	ug/l	97
56) Ethyl methacrylate	9.116	69	300972	60.339	ug/l	95
57) 1,3-Dichloropropane	9.305	76	312812	55.482	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	691173	272.140	ug/l	97
59) 2-Hexanone	9.427	43	1025929	291.520	ug/l	98
60) Dibromochloromethane	9.519	129	186999	61.661	ug/l	99
61) 1,2-Dibromoethane	9.610	107	193273	58.382	ug/l	100
64) Tetrachloroethene	9.275	164	152192	50.941	ug/l	98
65) Chlorobenzene	10.080	112	470455	54.162	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	173840	58.203	ug/l	99
67) Ethyl Benzene	10.195	91	833217	52.952	ug/l	98
68) m/p-Xylenes	10.299	106	640795	106.608	ug/l	99
69) o-Xylene	10.640	106	317748	53.963	ug/l	99
70) Styrene	10.653	104	536957	57.124	ug/l	98
71) Bromoform	10.799	173	131507	64.737	ug/l #	100
73) Isopropylbenzene	10.964	105	784304	51.561	ug/l	100
74) N-amyl acetate	10.842	43	394717	57.715	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	275775	55.316	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	233509m	55.808	ug/l	
77) Bromobenzene	11.195	156	203242	53.924	ug/l	97
78) n-propylbenzene	11.305	91	889068	50.596	ug/l	100
79) 2-Chlorotoluene	11.366	91	574243	51.759	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	664956	52.284	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	83302	59.665	ug/l	98
82) 4-Chlorotoluene	11.451	91	665229	51.634	ug/l	100
83) tert-Butylbenzene	11.713	119	626148	52.429	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	678966	52.496	ug/l	99
85) sec-Butylbenzene	11.890	105	744795	51.262	ug/l	100
86) p-Isopropyltoluene	12.012	119	644875	53.229	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	373984	54.485	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	378014	52.729	ug/l	100
89) n-Butylbenzene	12.335	91	550519	52.010	ug/l	99
90) Hexachloroethane	12.536	117	103644	55.216	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	374698	54.506	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	60615	58.249	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	225593	58.022	ug/l	100
94) Hexachlorobutadiene	13.725	225	91349	53.418	ug/l	99
95) Naphthalene	13.774	128	806738	58.394	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	219419	55.961	ug/l	99

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

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