

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041423\
 Data File : VX035058.D
 Acq On : 13 Apr 2023 12:42
 Operator : JC/MD
 Sample : VX0414WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0414WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/14/2023
 Supervised By : Mahesh Dadoda 04/14/2023

Quant Time: Apr 14 05:40:38 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	321419	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	517952	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	467693	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	223710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	225714	45.918	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.840%		
35) Dibromofluoromethane	5.385	113	176952	51.652	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.300%		
50) Toluene-d8	8.647	98	646747	51.147	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.300%		
62) 4-Bromofluorobenzene	11.079	95	254597	52.030	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.060%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	56713	17.691	ug/l	99
3) Chloromethane	1.294	50	64503	16.070	ug/l	98
4) Vinyl Chloride	1.374	62	64021	16.109	ug/l	97
5) Bromomethane	1.617	94	40810	15.802	ug/l	97
6) Chloroethane	1.691	64	37925	14.667	ug/l	99
7) Trichlorofluoromethane	1.886	101	94614	14.809	ug/l	98
8) Diethyl Ether	2.130	74	37576	16.682	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	61351	18.372	ug/l	98
10) Methyl Iodide	2.453	142	66689	16.036	ug/l	97
11) Tert butyl alcohol	3.007	59	78060	90.508	ug/l	97
12) 1,1-Dichloroethene	2.318	96	55622	16.857	ug/l	94
13) Acrolein	2.239	56	79615	89.674	ug/l	98
14) Allyl chloride	2.666	41	111052	17.179	ug/l	97
15) Acrylonitrile	3.068	53	186347	95.988	ug/l	99
16) Acetone	2.392	43	194526	97.414	ug/l	96
17) Carbon Disulfide	2.514	76	123321	14.922	ug/l	100
18) Methyl Acetate	2.703	43	137391	19.364	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	220400	18.041	ug/l	99
20) Methylene Chloride	2.788	84	68578	17.403	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	62440	17.351	ug/l	99
22) Diisopropyl ether	3.757	45	236242	18.111	ug/l	97
23) Vinyl Acetate	3.721	43	843885	90.714	ug/l	99
24) 1,1-Dichloroethane	3.611	63	124868	17.792	ug/l	98
25) 2-Butanone	4.562	43	283127	97.470	ug/l	99
26) 2,2-Dichloropropane	4.477	77	99327	17.210	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	76877	18.028	ug/l	98
28) Bromochloromethane	4.903	49	79144	23.053	ug/l	95
29) Tetrahydrofuran	5.013	42	176173	96.814	ug/l	98
30) Chloroform	5.092	83	126254	17.712	ug/l	99
31) Cyclohexane	5.470	56	105980	17.706	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	108840	17.892	ug/l	98
36) 1,1-Dichloropropene	5.690	75	92168	18.160	ug/l	100
37) Ethyl Acetate	4.714	43	103718	19.544	ug/l	98
38) Carbon Tetrachloride	5.672	117	90295	18.870	ug/l	95
39) Methylcyclohexane	7.379	83	96806	17.962	ug/l	96
40) Benzene	6.037	78	272725	18.719	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	58862	20.395	ug/l	98
42) 1,2-Dichloroethane	6.086	62	103055	17.791	ug/l	98
43) Isopropyl Acetate	6.336	43	166969	18.805	ug/l	98
44) Trichloroethene	7.123	130	71250	19.158	ug/l	100
45) 1,2-Dichloropropane	7.427	63	71315	18.784	ug/l	97
46) Dibromomethane	7.580	93	47735	18.273	ug/l	96
47) Bromodichloromethane	7.824	83	91921	19.050	ug/l	95
48) Methyl methacrylate	7.696	41	82254	18.864	ug/l	97
49) 1,4-Dioxane	7.708	88	37060	412.425	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	526261	100.149	ug/l	99
52) Toluene	8.720	92	173119	18.224	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	94758	18.255	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	109501	19.276	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	71163	19.793	ug/l	96
56) Ethyl methacrylate	9.116	69	111860	19.857	ug/l	97
57) 1,3-Dichloropropane	9.305	76	122456	19.232	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	275485	96.044	ug/l	97
59) 2-Hexanone	9.427	43	409140	102.942	ug/l	98
60) Dibromochloromethane	9.518	129	67064	19.581	ug/l	97
61) 1,2-Dibromoethane	9.610	107	72491	19.389	ug/l	99
64) Tetrachloroethene	9.275	164	62392	18.641	ug/l	99
65) Chlorobenzene	10.079	112	185858	19.100	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	65500	19.575	ug/l	99
67) Ethyl Benzene	10.195	91	333356	18.910	ug/l	98
68) m/p-Xylenes	10.299	106	255166	37.893	ug/l	100
69) o-Xylene	10.640	106	126448	19.169	ug/l	100
70) Styrene	10.652	104	208906	19.838	ug/l	98
71) Bromoform	10.799	173	44711	19.646	ug/l #	99
73) Isopropylbenzene	10.963	105	322201	19.662	ug/l	100
74) N-amyl acetate	10.841	43	144219	19.574	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	107967	20.103	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	89540m	19.864	ug/l	
77) Bromobenzene	11.201	156	79489	19.577	ug/l	95
78) n-propylbenzene	11.305	91	363762	19.216	ug/l	99
79) 2-Chlorotoluene	11.366	91	232159	19.424	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	269395	19.662	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	26156	17.390	ug/l	89
82) 4-Chlorotoluene	11.457	91	265931	19.160	ug/l	99
83) tert-Butylbenzene	11.713	119	260635	20.258	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	271008	19.450	ug/l	99
85) sec-Butylbenzene	11.890	105	309982	19.804	ug/l	99
86) p-Isopropyltoluene	12.012	119	260184	19.935	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	145103	19.623	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	148312	19.204	ug/l	98
89) n-Butylbenzene	12.335	91	219898	19.284	ug/l	99
90) Hexachloroethane	12.542	117	37519	18.554	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	146646	19.802	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	22034	19.655	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	87008	20.773	ug/l	100
94) Hexachlorobutadiene	13.725	225	36963	20.064	ug/l	99
95) Naphthalene	13.774	128	310139	20.838	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	86217	20.411	ug/l	99

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

