

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040523\
 Data File : VX034943.D
 Acq On : 05 Apr 2023 10:56
 Operator : JC/MD
 Sample : VX0405WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/06/2023
 Supervised By : Mahesh Dadoda 04/06/2023

Quant Time: Apr 06 02:10:19 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	5.556	168	296114	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	489898	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	440591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	211851	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	225520	49.799	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.600%		
35) Dibromofluoromethane	5.385	113	160303	49.472	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.940%		
50) Toluene-d8	8.647	98	588874	49.237	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.480%		
62) 4-Bromofluorobenzene	11.079	95	233434	50.437	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.880%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	59753	20.232	ug/l	97
3) Chloromethane	1.295	50	67042	18.130	ug/l	100
4) Vinyl Chloride	1.374	62	66824	18.251	ug/l	98
5) Bromomethane	1.618	94	40151	16.876	ug/l	98
6) Chloroethane	1.691	64	38308	16.081	ug/l	99
7) Trichlorofluoromethane	1.886	101	97790	16.614	ug/l	100
8) Diethyl Ether	2.130	74	37694	18.165	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	58753	19.097	ug/l	98
10) Methyl Iodide	2.453	142	61137	15.958	ug/l	90
11) Tert butyl alcohol	2.989	59	76620	96.430	ug/l	100
12) 1,1-Dichloroethene	2.319	96	55131	18.136	ug/l	95
13) Acrolein	2.240	56	80211	98.066	ug/l	99
14) Allyl chloride	2.666	41	108246	18.175	ug/l	95
15) Acrylonitrile	3.063	53	174824	97.748	ug/l	98
16) Acetone	2.386	43	189215	102.852	ug/l	95
17) Carbon Disulfide	2.514	76	121794	15.997	ug/l	99
18) Methyl Acetate	2.703	43	134607	20.593	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	210157	18.672	ug/l	97
20) Methylene Chloride	2.788	84	64402	17.740	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	59272	17.878	ug/l	98
22) Diisopropyl ether	3.758	45	223981	18.639	ug/l	98
23) Vinyl Acetate	3.721	43	811486	94.686	ug/l	98
24) 1,1-Dichloroethane	3.611	63	120125	18.579	ug/l	98
25) 2-Butanone	4.562	43	267823	100.081	ug/l	97
26) 2,2-Dichloropropane	4.477	77	93215	17.531	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	70228	17.877	ug/l	97
28) Bromochloromethane	4.898	49	61271	19.372	ug/l	97
29) Tetrahydrofuran	5.007	42	165391	98.656	ug/l	99
30) Chloroform	5.099	83	121382	18.483	ug/l	98
31) Cyclohexane	5.465	56	103031	18.684	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	106543	19.012	ug/l	99
36) 1,1-Dichloropropene	5.696	75	87109	18.146	ug/l	99
37) Ethyl Acetate	4.715	43	100001	19.922	ug/l	99
38) Carbon Tetrachloride	5.678	117	87615	19.358	ug/l	100
39) Methylcyclohexane	7.379	83	93233	18.289	ug/l	93
40) Benzene	6.038	78	254465	18.466	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	55402	20.295	ug/l	97
42) 1,2-Dichloroethane	6.086	62	104836	19.135	ug/l	99
43) Isopropyl Acetate	6.342	43	158498	18.874	ug/l	100
44) Trichloroethene	7.123	130	65792	18.703	ug/l	98
45) 1,2-Dichloropropane	7.434	63	66848	18.615	ug/l	99
46) Dibromomethane	7.580	93	45629	18.467	ug/l	98
47) Bromodichloromethane	7.824	83	87300	19.128	ug/l	99
48) Methyl methacrylate	7.690	41	80959	19.630	ug/l	97
49) 1,4-Dioxane	7.702	88	34507	406.004	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	505937	101.795	ug/l	99
52) Toluene	8.720	92	161826	18.010	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	87986	17.921	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	101826	18.952	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	64696	19.024	ug/l	98
56) Ethyl methacrylate	9.116	69	102064	19.156	ug/l	98
57) 1,3-Dichloropropane	9.305	76	115253	19.137	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	276508	101.921	ug/l	100
59) 2-Hexanone	9.427	43	387272	103.019	ug/l	99
60) Dibromochloromethane	9.519	129	61576	19.008	ug/l	100
61) 1,2-Dibromoethane	9.610	107	66893	18.917	ug/l	100
64) Tetrachloroethene	9.275	164	54896	17.410	ug/l	91
65) Chlorobenzene	10.080	112	169656	18.507	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	60425	19.169	ug/l	100
67) Ethyl Benzene	10.195	91	306920	18.482	ug/l	96
68) m/p-Xylenes	10.299	106	235874	37.183	ug/l	97
69) o-Xylene	10.640	106	114207	18.378	ug/l	95
70) Styrene	10.659	104	186933	18.843	ug/l	99
71) Bromoform	10.799	173	39738	18.535	ug/l #	98
73) Isopropylbenzene	10.964	105	300477	19.363	ug/l	99
74) N-amyl acetate	10.842	43	134042	19.211	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	98294	19.326	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	84792m	19.864	ug/l	
77) Bromobenzene	11.195	156	69251	18.010	ug/l	95
78) n-propylbenzene	11.305	91	342663	19.115	ug/l	98
79) 2-Chlorotoluene	11.366	91	216137	19.096	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	251438	19.379	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	22915	16.088	ug/l #	80
82) 4-Chlorotoluene	11.451	91	248461	18.903	ug/l	100
83) tert-Butylbenzene	11.713	119	238836	19.603	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	252090	19.105	ug/l	99
85) sec-Butylbenzene	11.890	105	282314	19.046	ug/l	99
86) p-Isopropyltoluene	12.006	119	239871	19.407	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	131796	18.821	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	134010	18.323	ug/l	98
89) n-Butylbenzene	12.329	91	198724	18.403	ug/l	98
90) Hexachloroethane	12.536	117	36114	18.859	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	132544	18.899	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21594	20.340	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	74154	18.695	ug/l	98
94) Hexachlorobutadiene	13.725	225	30160	17.288	ug/l	100
95) Naphthalene	13.774	128	273492	19.404	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	76716	19.179	ug/l	99

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

