

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042723\
 Data File : VX035330.D
 Acq On : 27 Apr 2023 10:52
 Operator : JC/MD
 Sample : VX0427WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/27/2023
 Supervised By : Mahesh Dadoda 04/28/2023

Quant Time: Apr 27 16:24:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	295038	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	458100	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	405076	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	199849	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	166075	46.657	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.320%		
35) Dibromofluoromethane	5.379	113	138988	49.432	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.860%		
50) Toluene-d8	8.647	98	515772	48.627	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.260%		
62) 4-Bromofluorobenzene	11.079	95	195219	48.927	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.860%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	53396	17.104	ug/l	99
3) Chloromethane	1.295	50	44079	15.521	ug/l	96
4) Vinyl Chloride	1.374	62	45526	15.983	ug/l	100
5) Bromomethane	1.618	94	31830	16.813	ug/l	98
6) Chloroethane	1.691	64	26992	16.203	ug/l	99
7) Trichlorofluoromethane	1.892	101	74169	16.651	ug/l	99
8) Diethyl Ether	2.136	74	26350	16.225	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	49576	16.664	ug/l	95
10) Methyl Iodide	2.453	142	62137	16.549	ug/l	98
11) Tert butyl alcohol	3.026	59	55106	85.026	ug/l #	82
12) 1,1-Dichloroethene	2.319	96	46616	16.268	ug/l	100
13) Acrolein	2.239	56	50310	78.934	ug/l	100
14) Allyl chloride	2.666	41	79687	15.802	ug/l	98
15) Acrylonitrile	3.069	53	132141	81.519	ug/l	98
16) Acetone	2.398	43	121093	78.330	ug/l	100
17) Carbon Disulfide	2.514	76	107719	15.681	ug/l	99
18) Methyl Acetate	2.709	43	98832	16.532	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	167675	17.056	ug/l	100
20) Methylene Chloride	2.788	84	55038	15.527	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	51269	16.474	ug/l	99
22) Diisopropyl ether	3.757	45	168018	16.837	ug/l	98
23) Vinyl Acetate	3.721	43	581248	84.738	ug/l	98
24) 1,1-Dichloroethane	3.611	63	92494	16.455	ug/l	99
25) 2-Butanone	4.568	43	185078	82.022	ug/l	92
26) 2,2-Dichloropropane	4.477	77	74385	16.892	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	60870	16.639	ug/l	93
28) Bromochloromethane	4.898	49	41008	17.120	ug/l	89
29) Tetrahydrofuran	5.013	42	115873	80.106	ug/l	96
30) Chloroform	5.093	83	96252	16.963	ug/l	97
31) Cyclohexane	5.471	56	85559	16.945	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	82681	16.626	ug/l	97
36) 1,1-Dichloropropene	5.696	75	71768	16.347	ug/l	96
37) Ethyl Acetate	4.715	43	69286	17.279	ug/l	97
38) Carbon Tetrachloride	5.678	117	71162	17.075	ug/l	100
39) Methylcyclohexane	7.379	83	89970	16.836	ug/l	97
40) Benzene	6.038	78	210313	16.699	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	39266	17.090	ug/l	97
42) 1,2-Dichloroethane	6.086	62	75836	16.888	ug/l	97
43) Isopropyl Acetate	6.342	43	110717	16.432	ug/l	94
44) Trichloroethene	7.129	130	59155	17.050	ug/l	98
45) 1,2-Dichloropropane	7.434	63	54056	17.025	ug/l	97
46) Dibromomethane	7.580	93	36414	16.700	ug/l	93
47) Bromodichloromethane	7.824	83	67606	16.829	ug/l	97
48) Methyl methacrylate	7.690	41	56570	17.116	ug/l	91
49) 1,4-Dioxane	7.720	88	28003	347.597	ug/l #	85
51) 4-Methyl-2-Pentanone	8.574	43	350971	84.787	ug/l	96
52) Toluene	8.720	92	137283	17.197	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	73476	17.513	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	82335	17.363	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	53882	16.931	ug/l	97
56) Ethyl methacrylate	9.116	69	81988	17.294	ug/l	90
57) 1,3-Dichloropropane	9.311	76	92127	16.925	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	215479	90.901	ug/l	95
59) 2-Hexanone	9.433	43	269523	86.671	ug/l	95
60) Dibromochloromethane	9.519	129	52795	17.315	ug/l	98
61) 1,2-Dibromoethane	9.610	107	56377	17.184	ug/l	99
64) Tetrachloroethene	9.275	164	54433	17.550	ug/l	98
65) Chlorobenzene	10.080	112	146359	16.700	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	52449	17.196	ug/l	98
67) Ethyl Benzene	10.195	91	259453	17.095	ug/l	99
68) m/p-Xylenes	10.299	106	201347	34.622	ug/l	99
69) o-Xylene	10.640	106	98980	17.356	ug/l	100
70) Styrene	10.653	104	163396	17.671	ug/l	97
71) Bromoform	10.799	173	35246	16.614	ug/l #	98
73) Isopropylbenzene	10.964	105	261876	17.926	ug/l	100
74) N-amyl acetate	10.842	43	96104	17.505	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	78497	17.312	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	72199m	18.111	ug/l	
77) Bromobenzene	11.195	156	64460	17.751	ug/l	90
78) n-propylbenzene	11.305	91	295159	17.592	ug/l	99
79) 2-Chlorotoluene	11.366	91	179900	17.159	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	219549	17.823	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	19289	15.671	ug/l	91
82) 4-Chlorotoluene	11.451	91	203946	17.320	ug/l	97
83) tert-Butylbenzene	11.713	119	214932	17.390	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	221465	17.894	ug/l	100
85) sec-Butylbenzene	11.890	105	262621	17.323	ug/l	99
86) p-Isopropyltoluene	12.006	119	227446	17.640	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	119247	17.279	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	120108	16.599	ug/l	99
89) n-Butylbenzene	12.335	91	183934	16.899	ug/l	99
90) Hexachloroethane	12.536	117	32904	16.671	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	118694	17.196	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	15565	17.119	ug/l	85
93) 1,2,4-Trichlorobenzene	13.585	180	74835	17.249	ug/l	99
94) Hexachlorobutadiene	13.725	225	31567	16.578	ug/l	98
95) Naphthalene	13.774	128	248112	18.576	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	74242	16.999	ug/l	99

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

