

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112922\
 Data File : VX033106.D
 Acq On : 29 Nov 2022 10:31
 Operator : JC/MD
 Sample : VX1129WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1129WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/30/2022
 Supervised By : Mahesh Dadoda 11/30/2022

Quant Time: Nov 30 00:59:05 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	5.550	168	131030	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	208608	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	189352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62884	49.055	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.120%		
35) Dibromofluoromethane	5.385	113	53537	45.523	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.040%		
50) Toluene-d8	8.647	98	161060	45.314	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.620%#		
62) 4-Bromofluorobenzene	11.079	95	70387	45.562	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.120%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	18796	18.776	ug/l	98
3) Chloromethane	1.294	50	20475	18.946	ug/l	96
4) Vinyl Chloride	1.374	62	24141	20.062	ug/l	98
5) Bromomethane	1.618	94	16681	18.695	ug/l	98
6) Chloroethane	1.691	64	19743	20.154	ug/l	98
7) Trichlorofluoromethane	1.892	101	48880	20.930	ug/l	99
8) Diethyl Ether	2.130	74	15985	21.741	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	26141	21.296	ug/l	100
10) Methyl Iodide	2.453	142	23283	16.569	ug/l	99
11) Tert butyl alcohol	3.001	59	21654m	107.051	ug/l	
12) 1,1-Dichloroethene	2.325	96	24193	21.158	ug/l	92
13) Acrolein	2.239	56	21384	92.035	ug/l	100
14) Allyl chloride	2.666	41	38078	20.627	ug/l	99
15) Acrylonitrile	3.069	53	60355	105.491	ug/l	99
16) Acetone	2.392	43	66142	110.989	ug/l	98
17) Carbon Disulfide	2.514	76	56839	17.992	ug/l	99
18) Methyl Acetate	2.709	43	34565	20.953	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	83334	21.014	ug/l	99
20) Methylene Chloride	2.794	84	27020	21.039	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	25748	19.685	ug/l	99
22) Diisopropyl ether	3.757	45	86286	21.466	ug/l #	86
23) Vinyl Acetate	3.721	43	332434	105.652	ug/l	99
24) 1,1-Dichloroethane	3.611	63	48726	21.183	ug/l	100
25) 2-Butanone	4.562	43	88279	107.429	ug/l	98
26) 2,2-Dichloropropane	4.477	77	39552	21.385	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	31207	20.999	ug/l	97
28) Bromochloromethane	4.897	49	22319	22.082	ug/l	96
29) Tetrahydrofuran	5.007	42	53582	102.760	ug/l	99
30) Chloroform	5.093	83	55505	21.545	ug/l	100
31) Cyclohexane	5.471	56	41837	20.235	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	49684	21.534	ug/l	100
36) 1,1-Dichloropropene	5.690	75	38537	20.493	ug/l	100
37) Ethyl Acetate	4.721	43	33122	20.189	ug/l	99
38) Carbon Tetrachloride	5.678	117	43975	21.080	ug/l	97
39) Methylcyclohexane	7.379	83	43680	20.358	ug/l	98
40) Benzene	6.038	78	111050	21.063	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	18577	20.124	ug/l	99
42) 1,2-Dichloroethane	6.086	62	45481	21.424	ug/l	99
43) Isopropyl Acetate	6.342	43	57255	21.102	ug/l	99
44) Trichloroethene	7.129	130	30876	20.870	ug/l	98
45) 1,2-Dichloropropane	7.428	63	28138	21.595	ug/l	99
46) Dibromomethane	7.580	93	21668	21.312	ug/l	98
47) Bromodichloromethane	7.824	83	42843	21.808	ug/l	99
48) Methyl methacrylate	7.696	41	29586	21.184	ug/l	100
49) 1,4-Dioxane	7.696	88	11320	440.322	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	181698	108.526	ug/l	100
52) Toluene	8.720	92	72822	20.994	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	42678	21.122	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	45479	21.474	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	29960	21.215	ug/l	97
56) Ethyl methacrylate	9.116	69	41783	21.474	ug/l	98
57) 1,3-Dichloropropane	9.311	76	48742	21.380	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	93250	100.922	ug/l	100
59) 2-Hexanone	9.427	43	137395	111.090	ug/l	99
60) Dibromochloromethane	9.525	129	32721	21.521	ug/l	100
61) 1,2-Dibromoethane	9.610	107	31449	21.098	ug/l	100
64) Tetrachloroethene	9.275	164	26812	20.004	ug/l	98
65) Chlorobenzene	10.079	112	79485	21.055	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	31037	22.438	ug/l	98
67) Ethyl Benzene	10.195	91	143647	21.450	ug/l	99
68) m/p-Xylenes	10.299	106	110585	42.170	ug/l	99
69) o-Xylene	10.640	106	54104	21.323	ug/l	100
70) Styrene	10.659	104	89144	21.475	ug/l	100
71) Bromoform	10.799	173	23424	22.086	ug/l #	100
73) Isopropylbenzene	10.963	105	146068	21.027	ug/l	100
74) N-amyl acetate	10.842	43	50730	21.468	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	44763	21.350	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	39876m	21.660	ug/l	
77) Bromobenzene	11.195	156	35324	20.676	ug/l	99
78) n-propylbenzene	11.305	91	167217	21.054	ug/l	100
79) 2-Chlorotoluene	11.366	91	100356	20.804	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	123660	21.191	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	11594	20.470	ug/l	95
82) 4-Chlorotoluene	11.457	91	117921	20.860	ug/l	99
83) tert-Butylbenzene	11.713	119	121168	20.859	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	124650	21.422	ug/l	100
85) sec-Butylbenzene	11.890	105	148684	21.395	ug/l	99
86) p-Isopropyltoluene	12.012	119	124486	21.142	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	65642	20.485	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	67007	20.418	ug/l	100
89) n-Butylbenzene	12.335	91	106570	21.010	ug/l	99
90) Hexachloroethane	12.536	117	20712	21.411	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	65346	20.964	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9281	22.186	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	39228	20.416	ug/l	99
94) Hexachlorobutadiene	13.725	225	16987	20.039	ug/l	98
95) Naphthalene	13.774	128	129030	20.757	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	39162	20.324	ug/l	99

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

