

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111522\
 Data File : VX032813.D
 Acq On : 15 Nov 2022 11:32
 Operator : JC/MD
 Sample : VX1115WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1115WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/16/2022
 Supervised By : Mahesh Dadoda 11/16/2022

Quant Time: Nov 16 03:32:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	91570	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	140137	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	68446	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	65243	51.278	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.560%	
35) Dibromofluoromethane	5.385	113	54179	54.200	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.400%	
50) Toluene-d8	8.647	98	177604	51.096	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.200%	
62) 4-Bromofluorobenzene	11.079	95	72010	53.036	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.080%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	18507	17.523	ug/l	98
3) Chloromethane	1.294	50	15398	17.240	ug/l	94
4) Vinyl Chloride	1.374	62	17876	18.186	ug/l	96
5) Bromomethane	1.617	94	15952	20.307	ug/l	97
6) Chloroethane	1.691	64	15498	23.502	ug/l	96
7) Trichlorofluoromethane	1.892	101	35681	19.157	ug/l	96
8) Diethyl Ether	2.130	74	11581	19.187	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	20021	20.366	ug/l	99
10) Methyl Iodide	2.453	142	18757	18.413	ug/l	98
11) Tert butyl alcohol	2.995	59	15655m	84.536	ug/l	
12) 1,1-Dichloroethene	2.325	96	17016	18.529	ug/l	98
13) Acrolein	2.239	56	11860	64.152	ug/l	97
14) Allyl chloride	2.666	41	28075	19.179	ug/l	98
15) Acrylonitrile	3.062	53	45475	90.482	ug/l	99
16) Acetone	2.386	43	46782	101.164	ug/l	97
17) Carbon Disulfide	2.514	76	36497	16.686	ug/l	100
18) Methyl Acetate	2.703	43	29404	19.553	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	64634	20.025	ug/l	98
20) Methylene Chloride	2.794	84	20844	19.659	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	18794	18.802	ug/l	97
22) Diisopropyl ether	3.757	45	63639	20.098	ug/l #	87
23) Vinyl Acetate	3.721	43	234659	91.729	ug/l	100
24) 1,1-Dichloroethane	3.611	63	37369	20.518	ug/l	98
25) 2-Butanone	4.562	43	64176	89.575	ug/l	98
26) 2,2-Dichloropropane	4.477	77	29282	20.225	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	23537	20.371	ug/l	99
28) Bromochloromethane	4.903	49	12873	19.843	ug/l	99
29) Tetrahydrofuran	5.007	42	39274	85.967	ug/l	100
30) Chloroform	5.092	83	42242	21.137	ug/l	98
31) Cyclohexane	5.470	56	28411	18.417	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	36847	20.546	ug/l	98
36) 1,1-Dichloropropene	5.696	75	27227	19.560	ug/l	98
37) Ethyl Acetate	4.708	43	23966	16.540	ug/l	99
38) Carbon Tetrachloride	5.684	117	31901	20.662	ug/l	96
39) Methylcyclohexane	7.379	83	30850	18.731	ug/l	94
40) Benzene	6.043	78	81645	20.727	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	14137	19.153	ug/l	100
42) 1,2-Dichloroethane	6.086	62	34530	21.444	ug/l	100
43) Isopropyl Acetate	6.342	43	41907	18.837	ug/l	99
44) Trichloroethene	7.123	130	23342	21.050	ug/l	97
45) 1,2-Dichloropropane	7.433	63	21265	21.030	ug/l	97
46) Dibromomethane	7.580	93	16234	20.934	ug/l	98
47) Bromodichloromethane	7.824	83	33078	22.506	ug/l	99
48) Methyl methacrylate	7.690	41	21151	18.408	ug/l	97
49) 1,4-Dioxane	7.696	88	7380	337.035	ug/l	96
51) 4-Methyl-2-Pentanone	8.573	43	135398	96.623	ug/l	100
52) Toluene	8.720	92	53834	20.947	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	31279	20.858	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	33733	21.031	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	23412	21.631	ug/l	99
56) Ethyl methacrylate	9.116	69	30918	19.850	ug/l	100
57) 1,3-Dichloropropane	9.305	76	37108	21.231	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	74711	99.617	ug/l	100
59) 2-Hexanone	9.433	43	99231	95.434	ug/l	99
60) Dibromochloromethane	9.518	129	26348	22.287	ug/l	99
61) 1,2-Dibromoethane	9.610	107	23644	20.617	ug/l	100
64) Tetrachloroethene	9.275	164	20143	21.504	ug/l	96
65) Chlorobenzene	10.079	112	60011	20.934	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	24073	22.312	ug/l	98
67) Ethyl Benzene	10.195	91	107133	20.898	ug/l	98
68) m/p-Xylenes	10.299	106	82366	41.377	ug/l	100
69) o-Xylene	10.640	106	40840	21.101	ug/l	99
70) Styrene	10.652	104	67060	20.849	ug/l	99
71) Bromoform	10.799	173	17784	20.848	ug/l #	97
73) Isopropylbenzene	10.963	105	109586	20.205	ug/l	99
74) N-amyl acetate	10.841	43	37192	18.148	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	33930	19.489	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	29989m	19.694	ug/l	
77) Bromobenzene	11.201	156	27779	20.891	ug/l	96
78) n-propylbenzene	11.305	91	124976	20.000	ug/l	99
79) 2-Chlorotoluene	11.366	91	76332	20.397	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	94759	20.442	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	8422	17.599	ug/l	95
82) 4-Chlorotoluene	11.457	91	88625	20.238	ug/l	98
83) tert-Butylbenzene	11.713	119	92696	20.030	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	94973	20.599	ug/l	100
85) sec-Butylbenzene	11.890	105	113274	20.341	ug/l	100
86) p-Isopropyltoluene	12.012	119	94543	20.008	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	52274	20.841	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	53132	20.419	ug/l	98
89) n-Butylbenzene	12.335	91	80378	19.553	ug/l	99
90) Hexachloroethane	12.536	117	15733	20.385	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	51983	21.018	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6900	18.076	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	31921	19.795	ug/l	98
94) Hexachlorobutadiene	13.725	225	13685	20.319	ug/l	99
95) Naphthalene	13.774	128	101405	18.872	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	32032	19.541	ug/l	99

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

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