

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102622\
 Data File : VX032409.D
 Acq On : 26 Oct 2022 17:04
 Operator : JC/MD
 Sample : VX1026WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1026WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/27/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 27 08:32:52 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	126272	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	193337	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	176583	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89283	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	83292	47.473	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.940%		
35) Dibromofluoromethane	5.385	113	66559	48.263	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.520%		
50) Toluene-d8	8.653	98	230117	47.987	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.980%		
62) 4-Bromofluorobenzene	11.079	95	88374	47.178	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.360%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	30346	20.837	ug/l	96
3) Chloromethane	1.294	50	24851	20.177	ug/l	100
4) Vinyl Chloride	1.374	62	27144	20.025	ug/l	96
5) Bromomethane	1.605	94	23101	21.326	ug/l	95
6) Chloroethane	1.685	64	16547	18.197	ug/l	97
7) Trichlorofluoromethane	1.886	101	49878	19.420	ug/l	98
8) Diethyl Ether	2.130	74	16334	19.625	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	26310	19.409	ug/l	99
10) Methyl Iodide	2.453	142	25602	18.245	ug/l	99
11) Tert butyl alcohol	2.965	59	26638	104.312	ug/l	99
12) 1,1-Dichloroethene	2.319	96	23550	18.597	ug/l	91
13) Acrolein	2.233	56	24983	97.997	ug/l	97
14) Allyl chloride	2.666	41	39416	19.526	ug/l	98
15) Acrylonitrile	3.062	53	68578	98.951	ug/l	100
16) Acetone	2.380	43	62524	98.048	ug/l	97
17) Carbon Disulfide	2.514	76	58539	19.408	ug/l	99
18) Methyl Acetate	2.703	43	41700	20.109	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	84841	19.062	ug/l	100
20) Methylene Chloride	2.788	84	26804	18.333	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	25923	18.806	ug/l	97
22) Diisopropyl ether	3.763	45	80427	18.420	ug/l	99
23) Vinyl Acetate	3.721	43	339001	96.099	ug/l	100
24) 1,1-Dichloroethane	3.611	63	47032	18.727	ug/l	99
25) 2-Butanone	4.556	43	97070	98.253	ug/l	100
26) 2,2-Dichloropropane	4.477	77	37416	18.741	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	29746	18.670	ug/l	97
28) Bromochloromethane	4.897	49	15760	17.617	ug/l	97
29) Tetrahydrofuran	5.007	42	61447	97.538	ug/l	99
30) Chloroform	5.099	83	51798	18.796	ug/l	99
31) Cyclohexane	5.470	56	40666	19.116	ug/l	91
32) 1,1,1-Trichloroethane	5.385	97	46495	18.801	ug/l	99
36) 1,1-Dichloropropene	5.690	75	37145	19.342	ug/l	100
37) Ethyl Acetate	4.715	43	39043	19.531	ug/l	98
38) Carbon Tetrachloride	5.678	117	40573	19.048	ug/l	99
39) Methylcyclohexane	7.379	83	45960	20.227	ug/l	98
40) Benzene	6.044	78	106048	19.514	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	21336	20.952	ug/l	98
42) 1,2-Dichloroethane	6.086	62	44612	20.082	ug/l	99
43) Isopropyl Acetate	6.342	43	61356	19.990	ug/l	99
44) Trichloroethene	7.123	130	29334	19.174	ug/l	99
45) 1,2-Dichloropropane	7.434	63	27131	19.448	ug/l	96
46) Dibromomethane	7.586	93	20886	19.522	ug/l	99
47) Bromodichloromethane	7.824	83	39112	19.289	ug/l	96
48) Methyl methacrylate	7.696	41	31048	19.586	ug/l	98
49) 1,4-Dioxane	7.671	88	12397	410.368	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	197057	101.929	ug/l	100
52) Toluene	8.720	92	68565	19.338	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	40227	19.444	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	43241	19.541	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	28891	19.348	ug/l	99
56) Ethyl methacrylate	9.116	69	42695	19.869	ug/l	99
57) 1,3-Dichloropropane	9.311	76	46688	19.361	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	105681	102.137	ug/l	99
59) 2-Hexanone	9.433	43	147629	102.912	ug/l	99
60) Dibromochloromethane	9.525	129	30358	18.613	ug/l	98
61) 1,2-Dibromoethane	9.610	107	30854	19.501	ug/l	99
64) Tetrachloroethene	9.275	164	25064	19.392	ug/l	96
65) Chlorobenzene	10.079	112	75030	18.968	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	27514	18.482	ug/l	99
67) Ethyl Benzene	10.195	91	134857	19.065	ug/l	100
68) m/p-Xylenes	10.305	106	103952	37.847	ug/l	100
69) o-Xylene	10.640	106	51705	19.361	ug/l	96
70) Styrene	10.659	104	83070	18.717	ug/l	99
71) Bromoform	10.799	173	21729	18.461	ug/l #	98
73) Isopropylbenzene	10.963	105	137299	19.406	ug/l	100
74) N-amyl acetate	10.841	43	53296	19.937	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	43743	19.262	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	39398m	19.835	ug/l	
77) Bromobenzene	11.201	156	33802	19.488	ug/l	96
78) n-propylbenzene	11.305	91	155592	19.088	ug/l	100
79) 2-Chlorotoluene	11.366	91	93145	19.081	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	117077	19.362	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	11761	18.841	ug/l	97
82) 4-Chlorotoluene	11.457	91	108555	19.004	ug/l	99
83) tert-Butylbenzene	11.713	119	116804	19.349	ug/l	100
84) 1,2,4-Trimethylbenzene	11.756	105	117261	19.498	ug/l	100
85) sec-Butylbenzene	11.890	105	140635	19.361	ug/l	99
86) p-Isopropyltoluene	12.012	119	121152	19.656	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	62376	19.064	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	63191	18.617	ug/l	100
89) n-Butylbenzene	12.335	91	104085	19.411	ug/l	99
90) Hexachloroethane	12.542	117	18906	18.779	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	61567	19.084	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	10036	20.156	ug/l	100
93) 1,2,4-Trichlorobenzene	13.591	180	39533	18.794	ug/l	100
94) Hexachlorobutadiene	13.725	225	16766	19.084	ug/l	97
95) Naphthalene	13.780	128	135775	19.371	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	41624	19.466	ug/l	98

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

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