

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102022\
 Data File : VX032256.D
 Acq On : 20 Oct 2022 12:37
 Operator : JC/MD
 Sample : VX1020WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1020WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/21/2022
 Supervised By : Mahesh Dadoda 10/21/2022

Quant Time: Oct 21 01:22:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 19 16:51:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	132637	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	209479	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	188728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94508	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	91059	52.773	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.540%			
35) Dibromofluoromethane	5.385	113	69153	47.440	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.880%			
50) Toluene-d8	8.647	98	248312	47.322	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.640%			
62) 4-Bromofluorobenzene	11.079	95	94771	49.322	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	23442	19.318	ug/l	98
3) Chloromethane	1.294	50	21910	17.414	ug/l	98
4) Vinyl Chloride	1.374	62	24173	18.496	ug/l	97
5) Bromomethane	1.618	94	21597	15.783	ug/l	99
6) Chloroethane	1.691	64	19246	16.598	ug/l	99
7) Trichlorofluoromethane	1.886	101	46892	20.183	ug/l	100
8) Diethyl Ether	2.130	74	16020	20.291	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	25232	20.032	ug/l	99
10) Methyl Iodide	2.453	142	30041	16.504	ug/l	96
11) Tert butyl alcohol	2.983	59	25367	89.570	ug/l	99
12) 1,1-Dichloroethene	2.319	96	22613	19.101	ug/l	89
13) Acrolein	2.239	56	20256	96.436	ug/l	99
14) Allyl chloride	2.666	41	38211	20.550	ug/l	97
15) Acrylonitrile	3.062	53	64103	99.057	ug/l	99
16) Acetone	2.386	43	58999	105.365	ug/l	98
17) Carbon Disulfide	2.514	76	48919	17.650	ug/l	98
18) Methyl Acetate	2.703	43	40245	21.170	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	85127	20.867	ug/l	99
20) Methylene Chloride	2.788	84	26771	18.620	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	24777	19.215	ug/l	97
22) Diisopropyl ether	3.757	45	81994	20.137	ug/l	99
23) Vinyl Acetate	3.721	43	334912	102.911	ug/l	99
24) 1,1-Dichloroethane	3.611	63	47230	20.076	ug/l	100
25) 2-Butanone	4.556	43	89860	102.787	ug/l	100
26) 2,2-Dichloropropane	4.477	77	37464	22.103	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	29900	19.805	ug/l	96
28) Bromochloromethane	4.897	49	17963	18.507	ug/l	99
29) Tetrahydrofuran	5.007	42	56730	100.470	ug/l	99
30) Chloroform	5.093	83	51871	20.257	ug/l	99
31) Cyclohexane	5.471	56	37798	19.162	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	45237	20.717	ug/l	99
36) 1,1-Dichloropropene	5.696	75	35972	19.184	ug/l	98
37) Ethyl Acetate	4.708	43	36345	19.796	ug/l	99
38) Carbon Tetrachloride	5.678	117	39355	19.881	ug/l	96
39) Methylcyclohexane	7.379	83	43456	19.400	ug/l	96
40) Benzene	6.037	78	102848	18.925	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	20218	20.884	ug/l	99
42) 1,2-Dichloroethane	6.086	62	44090	21.180	ug/l	97
43) Isopropyl Acetate	6.336	43	59252	20.563	ug/l	99
44) Trichloroethene	7.129	130	28050	18.743	ug/l	97
45) 1,2-Dichloropropane	7.434	63	26824	19.566	ug/l	99
46) Dibromomethane	7.580	93	20325	19.877	ug/l	98
47) Bromodichloromethane	7.824	83	38203	20.225	ug/l	96
48) Methyl methacrylate	7.690	41	30539	21.251	ug/l	98
49) 1,4-Dioxane	7.696	88	12252	424.814	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	187215	103.646	ug/l	100
52) Toluene	8.720	92	67490	19.170	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	38818	19.392	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	41393	19.666	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	28406	19.862	ug/l	99
56) Ethyl methacrylate	9.116	69	42552	20.659	ug/l	99
57) 1,3-Dichloropropane	9.311	76	46727	20.171	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	96539	102.255	ug/l	98
59) 2-Hexanone	9.433	43	141622	105.077	ug/l	98
60) Dibromochloromethane	9.519	129	30025	20.484	ug/l	96
61) 1,2-Dibromoethane	9.610	107	30476	20.102	ug/l	99
64) Tetrachloroethene	9.275	164	23445	18.813	ug/l	97
65) Chlorobenzene	10.079	112	73222	18.923	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	28010	20.230	ug/l	99
67) Ethyl Benzene	10.195	91	134722	19.665	ug/l	99
68) m/p-Xylenes	10.299	106	103548	38.274	ug/l	96
69) o-Xylene	10.640	106	51422	19.840	ug/l	99
70) Styrene	10.659	104	84613	19.359	ug/l	99
71) Bromoform	10.799	173	19539	18.063	ug/l #	95
73) Isopropylbenzene	10.963	105	136667	20.266	ug/l	99
74) N-amyl acetate	10.842	43	53602	21.515	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	43938	20.266	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	39156m	20.910	ug/l	
77) Bromobenzene	11.195	156	33307	20.150	ug/l	96
78) n-propylbenzene	11.305	91	156670	20.290	ug/l	100
79) 2-Chlorotoluene	11.366	91	94850	20.381	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	116786	20.050	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	10673	19.691	ug/l	91
82) 4-Chlorotoluene	11.457	91	112611	20.784	ug/l	98
83) tert-Butylbenzene	11.713	119	118216	20.284	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	116295	20.536	ug/l	99
85) sec-Butylbenzene	11.890	105	143071	20.313	ug/l	99
86) p-Isopropyltoluene	12.012	119	122052	20.366	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	62040	19.500	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	63505	19.432	ug/l	98
89) n-Butylbenzene	12.335	91	105580	20.002	ug/l	99
90) Hexachloroethane	12.542	117	18673	20.080	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	62396	19.978	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9269	20.764	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	39985	19.666	ug/l	99
94) Hexachlorobutadiene	13.725	225	17187	19.476	ug/l	99
95) Naphthalene	13.774	128	134942	20.722	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	40656	19.880	ug/l	98

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

