

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102522\
 Data File : VX032357.D
 Acq On : 25 Oct 2022 12:16
 Operator : JC/MD
 Sample : VX1025WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1025WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Oct 27 14:16:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 22 04:56:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	122176	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	188297	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	170275	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	80809	50.843	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.680%			
35) Dibromofluoromethane	5.385	113	64661	49.348	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.700%			
50) Toluene-d8	8.653	98	227108	48.150	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.300%			
62) 4-Bromofluorobenzene	11.079	95	84530	48.941	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.880%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	20531	18.368	ug/l	98
3) Chloromethane	1.294	50	18763	16.051	ug/l	96
4) Vinyl Chloride	1.373	62	21077	17.508	ug/l	97
5) Bromomethane	1.611	94	20791	16.495	ug/l	99
6) Chloroethane	1.684	64	14283	13.657	ug/l	91
7) Trichlorofluoromethane	1.886	101	41978	19.615	ug/l	100
8) Diethyl Ether	2.129	74	14433	19.846	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	22822	19.670	ug/l	98
10) Methyl Iodide	2.453	142	21460	12.799	ug/l	97
11) Tert butyl alcohol	2.965	59	24083	93.098	ug/l	96
12) 1,1-Dichloroethene	2.318	96	20425	18.730	ug/l	98
13) Acrolein	2.233	56	17938	92.712	ug/l	100
14) Allyl chloride	2.666	41	34132	19.928	ug/l	97
15) Acrylonitrile	3.062	53	60456	101.420	ug/l	98
16) Acetone	2.379	43	58889	114.173	ug/l	97
17) Carbon Disulfide	2.513	76	43459	17.023	ug/l	100
18) Methyl Acetate	2.702	43	37543	21.440	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	76317	20.309	ug/l	99
20) Methylene Chloride	2.794	84	26127	19.728	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	21756	18.317	ug/l	99
22) Diisopropyl ether	3.757	45	74470	19.855	ug/l	92
23) Vinyl Acetate	3.721	43	298813	99.680	ug/l	100
24) 1,1-Dichloroethane	3.611	63	43144	19.909	ug/l	99
25) 2-Butanone	4.556	43	86707	107.672	ug/l	99
26) 2,2-Dichloropropane	4.477	77	33851	21.681	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	27036	19.441	ug/l	96
28) Bromochloromethane	4.897	49	16836	18.831	ug/l	99
29) Tetrahydrofuran	5.013	42	55105	105.949	ug/l	99
30) Chloroform	5.098	83	47188	20.006	ug/l	98
31) Cyclohexane	5.470	56	33852	18.631	ug/l	95
32) 1,1,1-Trichloroethane	5.391	97	41635	20.700	ug/l	99
36) 1,1-Dichloropropene	5.696	75	31246	18.538	ug/l	99
37) Ethyl Acetate	4.714	43	33598	20.359	ug/l	99
38) Carbon Tetrachloride	5.678	117	35609	20.013	ug/l	96
39) Methylcyclohexane	7.385	83	38115	18.930	ug/l	95
40) Benzene	6.037	78	93079	19.054	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	17933	20.608	ug/l	94
42) 1,2-Dichloroethane	6.092	62	39329	21.018	ug/l	99
43) Isopropyl Acetate	6.342	43	55559	21.450	ug/l	99
44) Trichloroethene	7.128	130	25439	18.910	ug/l	100
45) 1,2-Dichloropropane	7.433	63	24745	20.080	ug/l	95
46) Dibromomethane	7.586	93	19128	20.811	ug/l	98
47) Bromodichloromethane	7.824	83	36496	21.495	ug/l	96
48) Methyl methacrylate	7.695	41	27982	21.662	ug/l	98
49) 1,4-Dioxane	7.671	88	11423	440.625	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	178236	109.775	ug/l	99
52) Toluene	8.720	92	60756	19.199	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	35416	19.656	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	39666	20.966	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	26720	20.785	ug/l	97
56) Ethyl methacrylate	9.116	69	37969	20.508	ug/l	99
57) 1,3-Dichloropropane	9.311	76	42719	20.515	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	81321	95.826	ug/l	99
59) 2-Hexanone	9.433	43	132704	109.537	ug/l	100
60) Dibromochloromethane	9.524	129	28751	21.822	ug/l	100
61) 1,2-Dibromoethane	9.610	107	27572	20.232	ug/l	98
64) Tetrachloroethene	9.274	164	21364	19.001	ug/l	97
65) Chlorobenzene	10.079	112	67665	19.382	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	25978	20.796	ug/l	99
67) Ethyl Benzene	10.195	91	121861	19.716	ug/l	100
68) m/p-Xylenes	10.305	106	93909	38.473	ug/l	100
69) o-Xylene	10.640	106	46467	19.871	ug/l	99
70) Styrene	10.658	104	77103	19.553	ug/l	99
71) Bromoform	10.799	173	20446	20.607	ug/l #	98
73) Isopropylbenzene	10.963	105	124354	20.226	ug/l	99
74) N-amyl acetate	10.841	43	47943	21.107	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	41385	20.937	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	36842m	21.579	ug/l	
77) Bromobenzene	11.201	156	30509	20.244	ug/l	99
78) n-propylbenzene	11.305	91	142148	20.191	ug/l	100
79) 2-Chlorotoluene	11.366	91	85649	20.186	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	105263	19.821	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	10438	20.920	ug/l	94
82) 4-Chlorotoluene	11.457	91	98629	19.966	ug/l	99
83) tert-Butylbenzene	11.713	119	105937	19.937	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	105501	20.433	ug/l	100
85) sec-Butylbenzene	11.890	105	130371	20.302	ug/l	98
86) p-Isopropyltoluene	12.012	119	109844	20.104	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	56146	19.356	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	58343	19.581	ug/l	98
89) n-Butylbenzene	12.335	91	94148	19.563	ug/l	99
90) Hexachloroethane	12.542	117	17716	20.895	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	57391	20.154	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9041	23.941	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	36770	19.835	ug/l	98
94) Hexachlorobutadiene	13.725	225	15843	19.691	ug/l	99
95) Naphthalene	13.774	128	123973	20.880	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	37381	20.048	ug/l	99

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

