

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102822\
 Data File : VX032451.D
 Acq On : 28 Oct 2022 11:56
 Operator : JC/MD
 Sample : VX1028WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1028WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Oct 29 04:31:26 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	107524	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	168651	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	148954	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	74401	49.799	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.600%		
35) Dibromofluoromethane	5.385	113	59961	49.843	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.680%		
50) Toluene-d8	8.647	98	203567	48.664	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.320%		
62) 4-Bromofluorobenzene	11.079	95	78982	48.336	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.680%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	27130	21.877	ug/l	98
3) Chloromethane	1.294	50	22203	21.170	ug/l	99
4) Vinyl Chloride	1.374	62	24072	20.855	ug/l	97
5) Bromomethane	1.618	94	20404	22.120	ug/l	99
6) Chloroethane	1.691	64	17448	22.533	ug/l	99
7) Trichlorofluoromethane	1.892	101	44286	20.249	ug/l	98
8) Diethyl Ether	2.130	74	14509	20.472	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	23627	20.468	ug/l	99
10) Methyl Iodide	2.453	142	25536	21.043	ug/l	99
11) Tert butyl alcohol	2.983	59	19310	88.801	ug/l	98
12) 1,1-Dichloroethene	2.319	96	21665	20.091	ug/l	94
13) Acrolein	2.239	56	25321	116.641	ug/l	97
14) Allyl chloride	2.666	41	34336	19.975	ug/l	97
15) Acrylonitrile	3.062	53	58224	98.659	ug/l	99
16) Acetone	2.386	43	50137	92.332	ug/l	97
17) Carbon Disulfide	2.514	76	52988	20.631	ug/l	100
18) Methyl Acetate	2.703	43	35011	19.827	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	76182	20.101	ug/l	100
20) Methylene Chloride	2.788	84	25261	20.290	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	23034	19.624	ug/l	99
22) Diisopropyl ether	3.757	45	74296	19.983	ug/l #	87
23) Vinyl Acetate	3.721	43	299355	99.656	ug/l	100
24) 1,1-Dichloroethane	3.611	63	43076	20.142	ug/l	99
25) 2-Butanone	4.556	43	78122	92.862	ug/l	95
26) 2,2-Dichloropropane	4.477	77	33855	19.914	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	27457	20.238	ug/l	98
28) Bromochloromethane	4.904	49	15190	19.941	ug/l	99
29) Tetrahydrofuran	5.007	42	51090	95.238	ug/l	99
30) Chloroform	5.099	83	47555	20.265	ug/l	100
31) Cyclohexane	5.471	56	36641	20.227	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	42225	20.052	ug/l	99
36) 1,1-Dichloropropene	5.690	75	33713	20.124	ug/l	99
37) Ethyl Acetate	4.708	43	31829	18.253	ug/l	99
38) Carbon Tetrachloride	5.678	117	37312	20.081	ug/l	94
39) Methylcyclohexane	7.379	83	41407	20.891	ug/l	98
40) Benzene	6.037	78	95737	20.195	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	17917	20.170	ug/l	98
42) 1,2-Dichloroethane	6.086	62	39569	20.419	ug/l	100
43) Isopropyl Acetate	6.342	43	51790	19.343	ug/l	100
44) Trichloroethene	7.129	130	26316	19.719	ug/l	98
45) 1,2-Dichloropropane	7.434	63	24800	20.379	ug/l	93
46) Dibromomethane	7.580	93	18878	20.228	ug/l	100
47) Bromodichloromethane	7.824	83	36703	20.750	ug/l	99
48) Methyl methacrylate	7.696	41	26351	19.057	ug/l	99
49) 1,4-Dioxane	7.696	88	10184	386.457	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	163742	97.094	ug/l	99
52) Toluene	8.720	92	61583	19.911	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	35893	19.888	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	38677	20.037	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	25683	19.717	ug/l	97
56) Ethyl methacrylate	9.116	69	36970	19.723	ug/l	98
57) 1,3-Dichloropropane	9.311	76	42943	20.415	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	93495	103.586	ug/l	100
59) 2-Hexanone	9.433	43	120179	96.040	ug/l	100
60) Dibromochloromethane	9.525	129	27896	19.607	ug/l	100
61) 1,2-Dibromoethane	9.610	107	27262	19.753	ug/l	100
64) Tetrachloroethene	9.275	164	22865	20.972	ug/l	95
65) Chlorobenzene	10.079	112	67445	20.213	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	25445	20.262	ug/l	99
67) Ethyl Benzene	10.195	91	121812	20.415	ug/l	99
68) m/p-Xylenes	10.299	106	93486	40.349	ug/l	98
69) o-Xylene	10.640	106	45981	20.412	ug/l	99
70) Styrene	10.653	104	76924	20.547	ug/l	99
71) Bromoform	10.799	173	19460	19.600	ug/l #	100
73) Isopropylbenzene	10.963	105	123271	19.829	ug/l	99
74) N-amyl acetate	10.842	43	45141	19.218	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	39184	19.637	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	34552m	19.797	ug/l	
77) Bromobenzene	11.195	156	29506	19.360	ug/l	99
78) n-propylbenzene	11.305	91	142702	19.924	ug/l	99
79) 2-Chlorotoluene	11.366	91	85402	19.910	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	105254	19.810	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	10019	18.266	ug/l	93
82) 4-Chlorotoluene	11.457	91	98251	19.575	ug/l	100
83) tert-Butylbenzene	11.713	119	104035	19.613	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	105336	19.933	ug/l	100
85) sec-Butylbenzene	11.890	105	128357	20.110	ug/l	99
86) p-Isopropyltoluene	12.006	119	109715	20.258	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	56004	19.480	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	57560	19.299	ug/l	100
89) n-Butylbenzene	12.335	91	95284	20.223	ug/l	98
90) Hexachloroethane	12.536	117	17562	19.852	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	56106	19.792	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8255	18.868	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	36381	19.683	ug/l	96
94) Hexachlorobutadiene	13.725	225	15729	20.376	ug/l	98
95) Naphthalene	13.774	128	117510	19.080	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	36565	19.461	ug/l	98

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

