

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112822\
 Data File : VX033083.D
 Acq On : 28 Nov 2022 11:37
 Operator : JC/MD
 Sample : VX1128WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1128WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/29/2022
 Supervised By : Mahesh Dadoda 11/29/2022

Quant Time: Nov 29 01:42:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	149940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	233960	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	211683	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	68404	46.466	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.940%		
35) Dibromofluoromethane	5.385	113	58562	44.399	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.800%		
50) Toluene-d8	8.647	98	177621	44.521	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	89.040%#		
62) 4-Bromofluorobenzene	11.079	95	75706	43.695	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.380%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	19437	16.968	ug/l	97
3) Chloromethane	1.295	50	20966	16.954	ug/l	99
4) Vinyl Chloride	1.374	62	24302	17.649	ug/l	95
5) Bromomethane	1.618	94	15784	15.458	ug/l	93
6) Chloroethane	1.691	64	19328	17.242	ug/l	96
7) Trichlorofluoromethane	1.892	101	50558	18.918	ug/l	98
8) Diethyl Ether	2.136	74	16515	19.629	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	26627	18.956	ug/l	98
10) Methyl Iodide	2.453	142	19388	12.057	ug/l	99
11) Tert butyl alcohol	3.014	59	26068m	112.620	ug/l	
12) 1,1-Dichloroethene	2.325	96	24484	18.712	ug/l	99
13) Acrolein	2.246	56	26407	99.320	ug/l	99
14) Allyl chloride	2.666	41	38967	18.446	ug/l	97
15) Acrylonitrile	3.069	53	64632	98.719	ug/l	99
16) Acetone	2.398	43	69417	101.794	ug/l	100
17) Carbon Disulfide	2.514	76	61202	16.930	ug/l	98
18) Methyl Acetate	2.709	43	36987	19.594	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	88243	19.446	ug/l	100
20) Methylene Chloride	2.794	84	28038	18.954	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	26537	17.730	ug/l	97
22) Diisopropyl ether	3.764	45	86595	18.826	ug/l	97
23) Vinyl Acetate	3.721	43	347847	96.608	ug/l	100
24) 1,1-Dichloroethane	3.611	63	49531	18.817	ug/l	96
25) 2-Butanone	4.568	43	94520	100.518	ug/l	99
26) 2,2-Dichloropropane	4.477	77	41757	19.730	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	32730	19.246	ug/l	98
28) Bromochloromethane	4.904	49	23817	20.592	ug/l	97
29) Tetrahydrofuran	5.013	42	57772	96.822	ug/l	98
30) Chloroform	5.099	83	55688	18.890	ug/l	100
31) Cyclohexane	5.477	56	42504	17.965	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	52098	19.733	ug/l	99
36) 1,1-Dichloropropene	5.696	75	39512	18.735	ug/l	100
37) Ethyl Acetate	4.715	43	36674	19.932	ug/l	99
38) Carbon Tetrachloride	5.678	117	45600	19.491	ug/l	97
39) Methylcyclohexane	7.379	83	45170	18.771	ug/l	97
40) Benzene	6.038	78	112599	19.042	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	20636	19.932	ug/l	99
42) 1,2-Dichloroethane	6.086	62	46047	19.341	ug/l	100
43) Isopropyl Acetate	6.342	43	62489	20.536	ug/l	99
44) Trichloroethene	7.123	130	31392	18.919	ug/l	100
45) 1,2-Dichloropropane	7.428	63	28949	19.810	ug/l	96
46) Dibromomethane	7.580	93	21975	19.272	ug/l	100
47) Bromodichloromethane	7.824	83	43546	19.764	ug/l	99
48) Methyl methacrylate	7.696	41	30929	19.746	ug/l	98
49) 1,4-Dioxane	7.708	88	12865	446.194	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	194510	103.589	ug/l	100
52) Toluene	8.720	92	74242	19.084	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	43528	19.346	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	46956	19.769	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	30790	19.440	ug/l	99
56) Ethyl methacrylate	9.116	69	44728	20.496	ug/l	97
57) 1,3-Dichloropropane	9.311	76	49848	19.495	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	105867	102.162	ug/l	99
59) 2-Hexanone	9.433	43	148522	107.074	ug/l	100
60) Dibromochloromethane	9.519	129	34538	20.254	ug/l	100
61) 1,2-Dibromoethane	9.610	107	33387	19.971	ug/l	99
64) Tetrachloroethene	9.275	164	27601	18.421	ug/l	97
65) Chlorobenzene	10.080	112	81033	19.200	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	32023	20.708	ug/l	98
67) Ethyl Benzene	10.195	91	146523	19.572	ug/l	100
68) m/p-Xylenes	10.299	106	113464	38.704	ug/l	99
69) o-Xylene	10.640	106	55270	19.485	ug/l	99
70) Styrene	10.659	104	89553	19.298	ug/l	99
71) Bromoform	10.799	173	24503	20.667	ug/l #	100
73) Isopropylbenzene	10.964	105	148517	19.450	ug/l	100
74) N-amyl acetate	10.842	43	53299	20.519	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	46471	20.164	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	41673m	20.592	ug/l	
77) Bromobenzene	11.195	156	35620	18.967	ug/l	98
78) n-propylbenzene	11.305	91	168242	19.271	ug/l	100
79) 2-Chlorotoluene	11.366	91	101065	19.060	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	125112	19.504	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	12803	20.564	ug/l	99
82) 4-Chlorotoluene	11.457	91	117822	18.961	ug/l	99
83) tert-Butylbenzene	11.713	119	125849	19.709	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	125958	19.692	ug/l	99
85) sec-Butylbenzene	11.890	105	148975	19.501	ug/l	99
86) p-Isopropyltoluene	12.012	119	127182	19.650	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	66937	19.003	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	68412	18.964	ug/l	100
89) n-Butylbenzene	12.335	91	107006	19.191	ug/l	99
90) Hexachloroethane	12.543	117	21073	19.818	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	65880	19.227	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	10165	22.106	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	41161	19.488	ug/l	99
94) Hexachlorobutadiene	13.725	225	17475	18.753	ug/l	99
95) Naphthalene	13.774	128	139207	20.373	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	41562	19.622	ug/l	99

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

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