

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122823\
 Data File : VX039507.D
 Acq On : 28 Dec 2023 11:43
 Operator : JC/MD
 Sample : VX1228WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1228WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/29/2023
 Supervised By : Semsettin Yesilyurt 01/01/2024

Quant Time: Dec 28 22:47:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	95150	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	171386	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157323	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74236	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81875	46.971	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 93.940%			
35) Dibromofluoromethane	5.385	113	60242	50.879	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.760%			
50) Toluene-d8	8.647	98	223439	50.831	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.660%			
62) 4-Bromofluorobenzene	11.079	95	84484	46.582	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.160%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	24439	18.279	ug/l	100
3) Chloromethane	1.294	50	28218	19.037	ug/l	100
4) Vinyl Chloride	1.373	62	26628	19.316	ug/l	100
5) Bromomethane	1.593	94	13535	17.066	ug/l	98
6) Chloroethane	1.660	64	11955	14.391	ug/l	97
7) Trichlorofluoromethane	1.867	101	37825	18.738	ug/l	97
8) Diethyl Ether	2.136	74	14803	21.188	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.318	101	22980	18.655	ug/l	96
10) Methyl Iodide	2.446	142	19530	15.339	ug/l	95
11) Tert butyl alcohol	2.995	59	45053	102.927	ug/l #	95
12) 1,1-Dichloroethene	2.312	96	22074	18.040	ug/l	97
13) Acrolein	2.239	56	39300	112.545	ug/l	98
14) Allyl chloride	2.660	41	45363	18.301	ug/l	95
15) Acrylonitrile	3.062	53	89916	102.627	ug/l	98
16) Acetone	2.386	43	90219	72.328	ug/l	90
17) Carbon Disulfide	2.501	76	56785	15.859	ug/l	99
18) Methyl Acetate	2.703	43	80924	21.464	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	84891	19.183	ug/l	100
20) Methylene Chloride	2.788	84	26622	18.321	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	23723	17.818	ug/l	99
22) Diisopropyl ether	3.757	45	91276	20.229	ug/l	99
23) Vinyl Acetate	3.721	43	329476	98.085	ug/l	99
24) 1,1-Dichloroethane	3.605	63	48105	18.860	ug/l	98
25) 2-Butanone	4.562	43	133812	88.962	ug/l	99
26) 2,2-Dichloropropane	4.471	77	36797	16.525	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	27753	18.885	ug/l	100
28) Bromochloromethane	4.891	49	19389	15.580	ug/l	90
29) Tetrahydrofuran	5.007	42	86417	104.034	ug/l	98
30) Chloroform	5.086	83	47283	18.551	ug/l	95
31) Cyclohexane	5.464	56	42373	18.821	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	39932	18.047	ug/l	99
36) 1,1-Dichloropropene	5.690	75	34054	18.226	ug/l	99
37) Ethyl Acetate	4.714	43	46990	20.357	ug/l	99
38) Carbon Tetrachloride	5.672	117	31007	17.390	ug/l	91
39) Methylcyclohexane	7.379	83	41973	18.702	ug/l	99
40) Benzene	6.037	78	103706	19.622	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	25171	20.437	ug/l	95
42) 1,2-Dichloroethane	6.086	62	40550	18.954	ug/l	99
43) Isopropyl Acetate	6.342	43	73239	19.511	ug/l	98
44) Trichloroethene	7.122	130	24203	18.147	ug/l	99
45) 1,2-Dichloropropane	7.427	63	28907	20.379	ug/l	96
46) Dibromomethane	7.580	93	18841	18.895	ug/l	95
47) Bromodichloromethane	7.817	83	34927	18.320	ug/l	97
48) Methyl methacrylate	7.689	41	43972	20.038	ug/l	97
49) 1,4-Dioxane	7.665	88	13911	470.277	ug/l #	99
51) 4-Methyl-2-Pentanone	8.573	43	259849	108.648	ug/l	98
52) Toluene	8.714	92	61962	19.424	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	35838	17.074	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	40365	17.873	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	26058	19.566	ug/l	95
56) Ethyl methacrylate	9.116	69	33103	20.361	ug/l	97
57) 1,3-Dichloropropane	9.305	76	45566	19.791	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	97557	102.193	ug/l	93
59) 2-Hexanone	9.433	43	210184	101.829	ug/l	99
60) Dibromochloromethane	9.518	129	24537	18.218	ug/l	98
61) 1,2-Dibromoethane	9.610	107	27590	19.406	ug/l	100
64) Tetrachloroethene	9.275	164	18538	18.032	ug/l	95
65) Chlorobenzene	10.079	112	63809	18.582	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	22357	18.432	ug/l	97
67) Ethyl Benzene	10.195	91	119430	18.684	ug/l	99
68) m/p-Xylenes	10.299	106	87651	38.245	ug/l	96
69) o-Xylene	10.640	106	42686	19.264	ug/l	93
70) Styrene	10.658	104	61582	19.010	ug/l	96
71) Bromoform	10.799	173	15623	17.328	ug/l #	98
73) Isopropylbenzene	10.963	105	114346	19.964	ug/l	99
74) N-amyl acetate	10.841	43	61267	21.142	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	47823	22.445	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	38813m	20.209	ug/l	
77) Bromobenzene	11.195	156	25251	19.937	ug/l	93
78) n-propylbenzene	11.305	91	137187	19.440	ug/l	96
79) 2-Chlorotoluene	11.366	91	84421	19.777	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	99068	20.304	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	11264	16.545	ug/l	97
82) 4-Chlorotoluene	11.457	91	97159	19.379	ug/l	97
83) tert-Butylbenzene	11.713	119	94084	20.261	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	99538	19.893	ug/l	99
85) sec-Butylbenzene	11.890	105	116990	19.799	ug/l	98
86) p-Isopropyltoluene	12.012	119	95631	19.284	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	46716	18.774	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	47588	18.368	ug/l	98
89) n-Butylbenzene	12.335	91	87110	17.869	ug/l	96
90) Hexachloroethane	12.536	117	16315	18.213	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	48492	20.368	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	10818	19.276	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	26655	17.098	ug/l	98
94) Hexachlorobutadiene	13.725	225	11251	19.150	ug/l	96
95) Naphthalene	13.774	128	107289	19.761	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	27663	18.381	ug/l	99

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

