

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042523\
 Data File : VX035293.D
 Acq On : 25 Apr 2023 18:55
 Operator : JC/MD
 Sample : VX0425WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0425WBSD01

Quant Time: Apr 26 01:44:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/26/2023
 Supervised By : Mahesh Dadoda 04/26/2023

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	248799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	395243	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	352461	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	172197	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	159503	53.139	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.280%			
35) Dibromofluoromethane	5.385	113	127571	52.587	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.180%			
50) Toluene-d8	8.647	98	480741	52.533	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.060%			
62) 4-Bromofluorobenzene	11.079	95	180387	52.400	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.800%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	52088	19.786	ug/l	98
3) Chloromethane	1.294	50	44753	18.687	ug/l	98
4) Vinyl Chloride	1.374	62	45515	18.949	ug/l	100
5) Bromomethane	1.618	94	31515	19.740	ug/l	97
6) Chloroethane	1.691	64	27832	19.812	ug/l	94
7) Trichlorofluoromethane	1.892	101	71351	18.995	ug/l	99
8) Diethyl Ether	2.136	74	26677	19.479	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	47327	18.864	ug/l	96
10) Methyl Iodide	2.453	142	58954	18.619	ug/l	96
11) Tert butyl alcohol	3.026	59	57397m	105.020	ug/l	
12) 1,1-Dichloroethene	2.319	96	43524	18.012	ug/l	94
13) Acrolein	2.245	56	47838	89.005	ug/l	99
14) Allyl chloride	2.666	41	79710	18.744	ug/l	98
15) Acrylonitrile	3.075	53	139309	101.913	ug/l	99
16) Acetone	2.404	43	120483	92.420	ug/l	97
17) Carbon Disulfide	2.514	76	104855	18.101	ug/l	99
18) Methyl Acetate	2.709	43	103468	20.525	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	167854	20.247	ug/l	97
20) Methylene Chloride	2.788	84	56285	18.829	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	49774	18.965	ug/l	96
22) Diisopropyl ether	3.757	45	169183	20.105	ug/l	94
23) Vinyl Acetate	3.721	43	594924	102.851	ug/l	99
24) 1,1-Dichloroethane	3.611	63	92961	19.612	ug/l	99
25) 2-Butanone	4.574	43	188974	99.313	ug/l	96
26) 2,2-Dichloropropane	4.477	77	65387	17.608	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	59462	19.275	ug/l	94
28) Bromochloromethane	4.897	49	44386	21.974	ug/l	89
29) Tetrahydrofuran	5.013	42	121467	99.580	ug/l	95
30) Chloroform	5.093	83	93812	19.605	ug/l	94
31) Cyclohexane	5.471	56	82902	19.470	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	81227	19.370	ug/l	98
36) 1,1-Dichloropropene	5.696	75	68787	18.160	ug/l	97
37) Ethyl Acetate	4.721	43	72769	21.034	ug/l	96
38) Carbon Tetrachloride	5.678	117	67900	18.883	ug/l	96
39) Methylcyclohexane	7.379	83	86923	18.852	ug/l	96
40) Benzene	6.037	78	211315	19.447	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	40603	20.482	ug/l	97
42) 1,2-Dichloroethane	6.086	62	77309	19.954	ug/l	97
43) Isopropyl Acetate	6.342	43	116117	19.975	ug/l	97
44) Trichloroethene	7.129	130	55788	18.637	ug/l	99
45) 1,2-Dichloropropane	7.427	63	54554	19.914	ug/l	100
46) Dibromomethane	7.586	93	37930	20.162	ug/l	95
47) Bromodichloromethane	7.824	83	67359	19.434	ug/l	94
48) Methyl methacrylate	7.696	41	59301	20.796	ug/l	93
49) 1,4-Dioxane	7.732	88	11088	159.522	ug/l #	23
51) 4-Methyl-2-Pentanone	8.574	43	368215	103.100	ug/l	97
52) Toluene	8.720	92	132727	19.270	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	70202	19.394	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	80836	19.757	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	54029	19.677	ug/l	97
56) Ethyl methacrylate	9.116	69	82176	20.090	ug/l	91
57) 1,3-Dichloropropane	9.305	76	91852	19.558	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	220707	107.913	ug/l	94
59) 2-Hexanone	9.433	43	274532	102.321	ug/l	95
60) Dibromochloromethane	9.519	129	50792	19.307	ug/l	99
61) 1,2-Dibromoethane	9.610	107	56499	19.960	ug/l	99
64) Tetrachloroethene	9.275	164	50709	18.790	ug/l	98
65) Chlorobenzene	10.079	112	144001	18.884	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	52426	19.754	ug/l	98
67) Ethyl Benzene	10.195	91	253547	19.200	ug/l	98
68) m/p-Xylenes	10.299	106	197029	38.937	ug/l	98
69) o-Xylene	10.640	106	98060	19.762	ug/l	97
70) Styrene	10.653	104	158653	19.720	ug/l	97
71) Bromoform	10.799	173	34436	18.655	ug/l #	99
73) Isopropylbenzene	10.963	105	252446	20.055	ug/l	99
74) N-amyl acetate	10.842	43	97946	20.706	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	80274	20.547	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	65833m	19.166	ug/l	
77) Bromobenzene	11.201	156	62828	20.080	ug/l	92
78) n-propylbenzene	11.305	91	284514	19.681	ug/l	99
79) 2-Chlorotoluene	11.366	91	177943	19.698	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	213588	20.124	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	18303	17.258	ug/l	92
82) 4-Chlorotoluene	11.451	91	197761	19.491	ug/l	98
83) tert-Butylbenzene	11.713	119	208646	19.592	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	214821	20.144	ug/l	100
85) sec-Butylbenzene	11.890	105	255290	19.544	ug/l	99
86) p-Isopropyltoluene	12.012	119	218261	19.646	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	116155	19.534	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	116170	18.633	ug/l	99
89) n-Butylbenzene	12.329	91	176955	18.868	ug/l	99
90) Hexachloroethane	12.536	117	31331	18.423	ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	114938	19.326	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	15779	20.141	ug/l	87
93) 1,2,4-Trichlorobenzene	13.585	180	72308	19.343	ug/l	99
94) Hexachlorobutadiene	13.725	225	30365	18.508	ug/l	98
95) Naphthalene	13.774	128	241563	20.990	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	71944	19.118	ug/l	98

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

