

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101123\
 Data File : VX038219.D
 Acq On : 11 Oct 2023 11:17
 Operator : JC/MD
 Sample : VX1011WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/12/2023
 Supervised By : Mahesh Dadoda 10/12/2023

Quant Time: Oct 12 02:40:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	110753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	185006	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	182958	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102444	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95019	53.340	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.680%			
35) Dibromofluoromethane	5.385	113	73322	55.002	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.000%			
50) Toluene-d8	8.647	98	275323	54.048	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.100%			
62) 4-Bromofluorobenzene	11.079	95	105931	54.852	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.700%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	24359	22.786	ug/l	95
3) Chloromethane	1.301	50	22739	20.869	ug/l	94
4) Vinyl Chloride	1.374	62	26730	22.126	ug/l	98
5) Bromomethane	1.605	94	28853	17.633	ug/l	98
6) Chloroethane	1.685	64	21458	24.721	ug/l	96
7) Trichlorofluoromethane	1.886	101	56364	23.621	ug/l	98
8) Diethyl Ether	2.130	74	20885	23.468	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.331	101	23843	22.888	ug/l	97
10) Methyl Iodide	2.453	142	30978	20.668	ug/l	94
11) Tert butyl alcohol	2.953	59	42765	102.195	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	22330	22.037	ug/l	85
13) Acrolein	2.233	56	39603	156.383	ug/l	98
14) Allyl chloride	2.666	41	36676	20.236	ug/l	94
15) Acrylonitrile	3.062	53	90853	112.071	ug/l	99
16) Acetone	2.374	43	88722	119.336	ug/l	93
17) Carbon Disulfide	2.508	76	53659	18.373	ug/l	99
18) Methyl Acetate	2.703	43	73931	23.189	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	85102	21.087	ug/l	97
20) Methylene Chloride	2.788	84	28156	20.134	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	26063	20.774	ug/l	92
22) Diisopropyl ether	3.757	45	80777	21.265	ug/l	95
23) Vinyl Acetate	3.721	43	296714	106.513	ug/l	95
24) 1,1-Dichloroethane	3.611	63	48266	20.937	ug/l	99
25) 2-Butanone	4.550	43	132713	110.635	ug/l	92
26) 2,2-Dichloropropane	4.471	77	36625	20.349	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	31633	21.170	ug/l	91
28) Bromochloromethane	4.898	49	22396	21.521	ug/l	87
29) Tetrahydrofuran	4.995	42	85014	108.855	ug/l	90
30) Chloroform	5.093	83	53398	21.182	ug/l	89
31) Cyclohexane	5.471	56	39033	20.224	ug/l	90
32) 1,1,1-Trichloroethane	5.385	97	44570	20.642	ug/l	98
36) 1,1-Dichloropropene	5.696	75	37889	20.611	ug/l	97
37) Ethyl Acetate	4.709	43	47999	21.985	ug/l	97
38) Carbon Tetrachloride	5.678	117	38591	21.340	ug/l	97
39) Methylcyclohexane	7.379	83	45658	21.204	ug/l	95
40) Benzene	6.038	78	110626	21.516	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	23840	21.950	ug/l #	90
42) 1,2-Dichloroethane	6.086	62	45644	22.219	ug/l	99
43) Isopropyl Acetate	6.336	43	69791	21.413	ug/l	97
44) Trichloroethene	7.123	130	29582	21.997	ug/l	95
45) 1,2-Dichloropropane	7.428	63	29094	21.863	ug/l	96
46) Dibromomethane	7.580	93	22961	22.246	ug/l	97
47) Bromodichloromethane	7.824	83	40933	22.294	ug/l	93
48) Methyl methacrylate	7.690	41	34132	21.937	ug/l #	85
49) 1,4-Dioxane	7.659	88	17342	452.314	ug/l #	93
51) 4-Methyl-2-Pentanone	8.574	43	258310	114.903	ug/l	97
52) Toluene	8.720	92	73602	21.975	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	41704	21.160	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	44443	21.463	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	32407	22.621	ug/l	93
56) Ethyl methacrylate	9.116	69	46193	21.031	ug/l	93
57) 1,3-Dichloropropane	9.305	76	51517	22.234	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	123877	114.897	ug/l	99
59) 2-Hexanone	9.427	43	212161	117.393	ug/l	97
60) Dibromochloromethane	9.519	129	31440	22.424	ug/l	99
61) 1,2-Dibromoethane	9.610	107	34622	22.348	ug/l	100
64) Tetrachloroethene	9.275	164	25248	21.317	ug/l	99
65) Chlorobenzene	10.079	112	81408	21.264	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	28543	22.048	ug/l	99
67) Ethyl Benzene	10.195	91	145042	21.224	ug/l	99
68) m/p-Xylenes	10.299	106	110325	41.752	ug/l	98
69) o-Xylene	10.640	106	53004	20.553	ug/l	98
70) Styrene	10.659	104	91825	21.864	ug/l	97
71) Bromoform	10.799	173	22823	20.779	ug/l #	99
73) Isopropylbenzene	10.963	105	144947	21.098	ug/l	99
74) N-amyl acetate	10.842	43	61386	20.924	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	56078	22.245	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	51186m	21.978	ug/l	
77) Bromobenzene	11.195	156	36261	21.619	ug/l	92
78) n-propylbenzene	11.305	91	178606	21.261	ug/l	99
79) 2-Chlorotoluene	11.366	91	104532	20.982	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	124503	21.005	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	13342	19.412	ug/l	96
82) 4-Chlorotoluene	11.457	91	123731	20.988	ug/l	97
83) tert-Butylbenzene	11.713	119	120821	20.861	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	124958	21.144	ug/l	98
85) sec-Butylbenzene	11.890	105	161201	21.487	ug/l	99
86) p-Isopropyltoluene	12.006	119	133226	21.523	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	71098	21.104	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	72151	20.978	ug/l	98
89) n-Butylbenzene	12.335	91	129909	21.074	ug/l	95
90) Hexachloroethane	12.536	117	21364	20.817	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	68520	21.159	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	13460	22.083	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	46069	21.210	ug/l	96
94) Hexachlorobutadiene	13.725	225	19601	22.422	ug/l	98
95) Naphthalene	13.774	128	157802	20.863	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	44252	21.042	ug/l	96

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

