

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121323\
 Data File : VX039192.D
 Acq On : 13 Dec 2023 16:25
 Operator : JC/MD
 Sample : VX1213WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1213WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/14/2023
 Supervised By : Mahesh Dadoda 12/14/2023

Quant Time: Dec 14 01:33:52 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	115862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	212260	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	196531	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	97131	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	109522	51.600	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.200%			
35) Dibromofluoromethane	5.379	113	76506	52.173	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.340%			
50) Toluene-d8	8.647	98	284430	52.246	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.500%			
62) 4-Bromofluorobenzene	11.079	95	118374	52.700	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.400%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	35474	21.789	ug/l	97
3) Chloromethane	1.295	50	35807	19.839	ug/l	99
4) Vinyl Chloride	1.374	62	33414	19.906	ug/l	99
5) Bromomethane	1.605	94	21923	22.701	ug/l	99
6) Chloroethane	1.685	64	19513	19.290	ug/l	99
7) Trichlorofluoromethane	1.886	101	49160	20.000	ug/l	98
8) Diethyl Ether	2.130	74	17300	20.336	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	30462	20.309	ug/l	95
10) Methyl Iodide	2.453	142	32932	21.241	ug/l	95
11) Tert butyl alcohol	2.947	59	57086	107.104	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	29889	20.061	ug/l	94
13) Acrolein	2.233	56	43816	103.047	ug/l	99
14) Allyl chloride	2.660	41	58979	19.541	ug/l	98
15) Acrylonitrile	3.056	53	111436	104.452	ug/l	99
16) Acetone	2.374	43	118619	80.159	ug/l	95
17) Carbon Disulfide	2.514	76	86637	19.870	ug/l	97
18) Methyl Acetate	2.697	43	92419	20.131	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	106839	19.827	ug/l	97
20) Methylene Chloride	2.788	84	35665	20.157	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	32766	20.210	ug/l	99
22) Diisopropyl ether	3.751	45	112284	20.437	ug/l	95
23) Vinyl Acetate	3.715	43	433207	105.911	ug/l	98
24) 1,1-Dichloroethane	3.605	63	61444	19.784	ug/l	99
25) 2-Butanone	4.544	43	165961	90.612	ug/l	98
26) 2,2-Dichloropropane	4.471	77	52478	19.354	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	36603	20.455	ug/l	97
28) Bromochloromethane	4.891	49	27796	18.342	ug/l	95
29) Tetrahydrofuran	4.995	42	105350	104.155	ug/l	100
30) Chloroform	5.093	83	61793	19.910	ug/l	99
31) Cyclohexane	5.465	56	56636	20.659	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	53022	19.679	ug/l	97
36) 1,1-Dichloropropene	5.690	75	45757	19.774	ug/l	99
37) Ethyl Acetate	4.709	43	59818	20.924	ug/l	99
38) Carbon Tetrachloride	5.678	117	43659	19.770	ug/l	97
39) Methylcyclohexane	7.379	83	57359	20.636	ug/l	98
40) Benzene	6.038	78	132332	20.216	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	31257	20.492	ug/l	95
42) 1,2-Dichloroethane	6.080	62	54020	20.387	ug/l	100
43) Isopropyl Acetate	6.330	43	95033	20.442	ug/l	99
44) Trichloroethene	7.123	130	32360	19.591	ug/l	92
45) 1,2-Dichloropropane	7.428	63	35907	20.439	ug/l	97
46) Dibromomethane	7.580	93	25447	20.606	ug/l	95
47) Bromodichloromethane	7.818	83	48166	20.399	ug/l	99
48) Methyl methacrylate	7.690	41	56660	20.847	ug/l	97
49) 1,4-Dioxane	7.653	88	16855	460.078	ug/l #	99
51) 4-Methyl-2-Pentanone	8.568	43	311516	105.170	ug/l	98
52) Toluene	8.714	92	81823	20.710	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	52810	20.315	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	57247	20.467	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	33406	20.254	ug/l	93
56) Ethyl methacrylate	9.116	69	42673	21.193	ug/l	97
57) 1,3-Dichloropropane	9.305	76	58644	20.567	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	132820	112.339	ug/l	94
59) 2-Hexanone	9.427	43	252764	98.877	ug/l	99
60) Dibromochloromethane	9.519	129	33220	19.915	ug/l	100
61) 1,2-Dibromoethane	9.610	107	36432	20.691	ug/l	100
64) Tetrachloroethene	9.275	164	25229	19.645	ug/l	93
65) Chlorobenzene	10.080	112	84943	19.802	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	30217	19.942	ug/l	98
67) Ethyl Benzene	10.189	91	159561	19.983	ug/l	96
68) m/p-Xylenes	10.299	106	117530	41.052	ug/l	96
69) o-Xylene	10.640	106	56096	20.265	ug/l	92
70) Styrene	10.653	104	81888	20.235	ug/l	95
71) Bromoform	10.799	173	22796	20.240	ug/l #	98
73) Isopropylbenzene	10.957	105	153258	20.451	ug/l	99
74) N-amyl acetate	10.842	43	78077	20.592	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.207	83	57194	20.516	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	50947m	20.274	ug/l	
77) Bromobenzene	11.195	156	33527	20.231	ug/l	87
78) n-propylbenzene	11.305	91	190241	20.604	ug/l	96
79) 2-Chlorotoluene	11.360	91	111665	19.994	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	131763	20.639	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	17419	19.554	ug/l	97
82) 4-Chlorotoluene	11.451	91	132610	20.215	ug/l	97
83) tert-Butylbenzene	11.713	119	121842	20.054	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	134023	20.471	ug/l	98
85) sec-Butylbenzene	11.890	105	154491	19.982	ug/l	98
86) p-Isopropyltoluene	12.006	119	130002	20.036	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	64263	19.739	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	66663	19.665	ug/l	97
89) n-Butylbenzene	12.329	91	132100	20.711	ug/l	96
90) Hexachloroethane	12.536	117	22878	19.519	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	61738	19.819	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	15269	20.794	ug/l	91
93) 1,2,4-Trichlorobenzene	13.585	180	40857	20.030	ug/l	99
94) Hexachlorobutadiene	13.725	225	15626	20.328	ug/l	97
95) Naphthalene	13.774	128	147213	20.724	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	39645	20.133	ug/l	98

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

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