

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121223\
 Data File : VX039159.D
 Acq On : 12 Dec 2023 12:45
 Operator : JC/MD
 Sample : VX1212WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/13/2023
 Supervised By : Mahesh Dadoda 12/13/2023

Quant Time: Dec 13 04:14:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	118881	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	215403	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	196638	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	98544	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	106667	55.684	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.360%			
35) Dibromofluoromethane	5.385	113	78468	50.439	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.880%			
50) Toluene-d8	8.647	98	280020	47.045	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.100%			
62) 4-Bromofluorobenzene	11.079	95	115323	48.400	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.800%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	32005	23.073	ug/l	96
3) Chloromethane	1.294	50	34323	18.958	ug/l	98
4) Vinyl Chloride	1.374	62	33664	19.303	ug/l	99
5) Bromomethane	1.611	94	21838	30.286	ug/l	98
6) Chloroethane	1.691	64	19627	19.721	ug/l	100
7) Trichlorofluoromethane	1.892	101	48615	21.967	ug/l	96
8) Diethyl Ether	2.130	74	17520	18.176	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	30361	20.687	ug/l	97
10) Methyl Iodide	2.453	142	31640	17.713	ug/l	95
11) Tert butyl alcohol	2.947	59	49955	93.762	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	30665	20.696	ug/l	92
13) Acrolein	2.233	56	36690	130.164	ug/l	98
14) Allyl chloride	2.666	41	59782	20.152	ug/l	98
15) Acrylonitrile	3.056	53	109271	97.063	ug/l	99
16) Acetone	2.373	43	118799	116.499	ug/l	91
17) Carbon Disulfide	2.514	76	86000	18.738	ug/l	97
18) Methyl Acetate	2.697	43	96247	19.871	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	113004	21.684	ug/l	99
20) Methylene Chloride	2.788	84	35692	19.416	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	32700	20.001	ug/l	97
22) Diisopropyl ether	3.751	45	115968	21.309	ug/l	93
23) Vinyl Acetate	3.715	43	434553	110.868	ug/l	99
24) 1,1-Dichloroethane	3.605	63	63705	20.932	ug/l	98
25) 2-Butanone	4.544	43	167964	101.572	ug/l	99
26) 2,2-Dichloropropane	4.477	77	55753	21.119	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	37200	19.520	ug/l	96
28) Bromochloromethane	4.897	49	28759	19.682	ug/l	93
29) Tetrahydrofuran	4.995	42	102117	97.257	ug/l	98
30) Chloroform	5.093	83	63332	21.311	ug/l	97
31) Cyclohexane	5.470	56	57223	20.923	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	54345	21.113	ug/l	98
36) 1,1-Dichloropropene	5.690	75	47966	21.513	ug/l	98
37) Ethyl Acetate	4.708	43	60985	20.994	ug/l	99
38) Carbon Tetrachloride	5.672	117	44468	21.579	ug/l	95
39) Methylcyclohexane	7.379	83	59025	20.295	ug/l	98
40) Benzene	6.037	78	135193	20.500	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	34223	22.715	ug/l	99
42) 1,2-Dichloroethane	6.086	62	55958	25.611	ug/l	99
43) Isopropyl Acetate	6.336	43	98130	21.137	ug/l	100
44) Trichloroethene	7.123	130	33845	21.085	ug/l	99
45) 1,2-Dichloropropane	7.427	63	37269	21.000	ug/l	94
46) Dibromomethane	7.580	93	25123	21.228	ug/l	96
47) Bromodichloromethane	7.818	83	49403	21.032	ug/l	99
48) Methyl methacrylate	7.690	41	57550	25.550	ug/l	97
49) 1,4-Dioxane	7.653	88	14056	322.554	ug/l #	100
51) 4-Methyl-2-Pentanone	8.567	43	314934	106.153	ug/l	99
52) Toluene	8.714	92	83532	20.412	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	56258	20.154	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	58803	20.394	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	33625	19.692	ug/l	86
56) Ethyl methacrylate	9.116	69	44101	15.265	ug/l	95
57) 1,3-Dichloropropane	9.305	76	61155	21.655	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	108537	80.644	ug/l	95
59) 2-Hexanone	9.427	43	252213	106.062	ug/l	100
60) Dibromochloromethane	9.519	129	34712	19.993	ug/l	99
61) 1,2-Dibromoethane	9.610	107	37755	21.071	ug/l	99
64) Tetrachloroethene	9.269	164	26645	21.800	ug/l	96
65) Chlorobenzene	10.079	112	87049	20.551	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	31588	20.731	ug/l	99
67) Ethyl Benzene	10.189	91	167736	21.554	ug/l	97
68) m/p-Xylenes	10.299	106	119982	40.757	ug/l	93
69) o-Xylene	10.640	106	57970	19.901	ug/l	94
70) Styrene	10.652	104	84056	17.086	ug/l	95
71) Bromoform	10.799	173	23818	18.751	ug/l #	98
73) Isopropylbenzene	10.963	105	159124	20.725	ug/l	98
74) N-amyl acetate	10.841	43	79528	19.594	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.207	83	59031	19.695	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	51446m	20.924	ug/l	
77) Bromobenzene	11.195	156	34256	19.856	ug/l	89
78) n-propylbenzene	11.305	91	195450	20.681	ug/l	97
79) 2-Chlorotoluene	11.366	91	115281	20.554	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	135006	20.912	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.018	75	17705	15.973	ug/l	95
82) 4-Chlorotoluene	11.451	91	136028	21.034	ug/l	97
83) tert-Butylbenzene	11.713	119	127140	19.997	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	134929	20.649	ug/l	99
85) sec-Butylbenzene	11.890	105	161389	19.406	ug/l	97
86) p-Isopropyltoluene	12.006	119	135075	20.232	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	66699	19.743	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	68078	19.689	ug/l	98
89) n-Butylbenzene	12.329	91	135263	20.081	ug/l	96
90) Hexachloroethane	12.536	117	23996	17.999	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	63700	19.880	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	15094	20.555	ug/l	92
93) 1,2,4-Trichlorobenzene	13.585	180	42561	19.821	ug/l	98
94) Hexachlorobutadiene	13.725	225	15332	20.163	ug/l	98
95) Naphthalene	13.774	128	150279	18.791	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	41141	20.212	ug/l	99

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

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