

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121922\
 Data File : VX033474.D
 Acq On : 19 Dec 2022 11:14
 Operator : JC/MD
 Sample : VX1219WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1219WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2022
 Supervised By : Mahesh Dadoda 12/20/2022

Quant Time: Dec 20 04:59:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	131531	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	204751	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	189451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98138	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	36131	42.818	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	85.640%		
35) Dibromofluoromethane	5.391	113	40733	44.230	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.460%		
50) Toluene-d8	8.647	98	86798	45.054	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.100%#		
62) 4-Bromofluorobenzene	11.079	95	72121	48.960	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.920%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	16861	18.351	ug/l	97
3) Chloromethane	1.295	50	17583	16.551	ug/l	100
4) Vinyl Chloride	1.374	62	20427	16.840	ug/l	97
5) Bromomethane	1.618	94	12409	13.940	ug/l	97
6) Chloroethane	1.691	64	13512	14.686	ug/l	99
7) Trichlorofluoromethane	1.892	101	30771	13.512	ug/l	97
8) Diethyl Ether	2.136	74	10901	13.253	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	24012	19.877	ug/l	98
10) Methyl Iodide	2.453	142	25188	19.038	ug/l	96
11) Tert butyl alcohol	3.002	59	18456	71.540	ug/l #	90
12) 1,1-Dichloroethene	2.325	96	22579	18.935	ug/l	94
13) Acrolein	2.239	56	20459	73.121	ug/l	99
14) Allyl chloride	2.666	41	34186	17.952	ug/l	97
15) Acrylonitrile	3.069	53	57867	90.551	ug/l	97
16) Acetone	2.392	43	62225	99.655	ug/l	99
17) Carbon Disulfide	2.514	76	50463	16.489	ug/l	98
18) Methyl Acetate	2.709	43	34167	18.902	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	78052	18.897	ug/l	98
20) Methylene Chloride	2.794	84	25400	18.240	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	23977	18.382	ug/l	98
22) Diisopropyl ether	3.758	45	76482	18.746	ug/l #	86
23) Vinyl Acetate	3.721	43	290665	91.788	ug/l	99
24) 1,1-Dichloroethane	3.611	63	45053	18.794	ug/l	98
25) 2-Butanone	4.562	43	82673	92.240	ug/l	100
26) 2,2-Dichloropropane	4.477	77	36072	20.462	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	29433	18.881	ug/l	96
28) Bromochloromethane	4.891	49	18001	17.939	ug/l	93
29) Tetrahydrofuran	5.007	42	49927	85.977	ug/l	98
30) Chloroform	5.093	83	50792	19.085	ug/l	96
31) Cyclohexane	5.477	56	37376	18.638	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	45705	19.961	ug/l	99
36) 1,1-Dichloropropene	5.696	75	35449	19.743	ug/l	100
37) Ethyl Acetate	4.715	43	31356	18.474	ug/l	98
38) Carbon Tetrachloride	5.678	117	40384	20.075	ug/l	96
39) Methylcyclohexane	7.385	83	39591	19.700	ug/l	96
40) Benzene	6.044	78	102269	19.535	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	17843	19.078	ug/l	98
42) 1,2-Dichloroethane	6.092	62	40876	19.663	ug/l	99
43) Isopropyl Acetate	6.342	43	50427	18.465	ug/l	98
44) Trichloroethene	7.123	130	28299	19.606	ug/l	97
45) 1,2-Dichloropropane	7.434	63	26158	19.538	ug/l	99
46) Dibromomethane	7.586	93	19949	19.560	ug/l	99
47) Bromodichloromethane	7.824	83	38858	19.545	ug/l	95
48) Methyl methacrylate	7.690	41	26260	18.632	ug/l	94
49) 1,4-Dioxane	7.714	88	11666	362.981	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	166910	96.648	ug/l	97
52) Toluene	8.720	92	68466	20.228	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	38550	19.651	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	41754	19.736	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	28282	19.877	ug/l	97
56) Ethyl methacrylate	9.116	69	38133	19.035	ug/l	94
57) 1,3-Dichloropropane	9.311	76	45093	19.729	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	83171	90.737	ug/l	98
59) 2-Hexanone	9.427	43	126697	99.552	ug/l	97
60) Dibromochloromethane	9.519	129	31441	20.056	ug/l	99
61) 1,2-Dibromoethane	9.610	107	29520	19.505	ug/l	99
64) Tetrachloroethene	9.275	164	25423	19.625	ug/l	97
65) Chlorobenzene	10.080	112	75856	19.773	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	29541	20.376	ug/l	99
67) Ethyl Benzene	10.195	91	135891	20.332	ug/l	100
68) m/p-Xylenes	10.299	106	105359	40.517	ug/l	99
69) o-Xylene	10.640	106	51404	19.999	ug/l	98
70) Styrene	10.653	104	85725	20.364	ug/l	97
71) Bromoform	10.799	173	22817	19.883	ug/l #	99
73) Isopropylbenzene	10.964	105	138370	19.453	ug/l	100
74) N-amyl acetate	10.842	43	43754	18.029	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	42412	18.795	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	32869m	16.462	ug/l	
77) Bromobenzene	11.195	156	34324	19.109	ug/l	98
78) n-propylbenzene	11.305	91	156010	19.643	ug/l	100
79) 2-Chlorotoluene	11.366	91	96199	19.598	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	118815	20.067	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	10688	16.652	ug/l	98
82) 4-Chlorotoluene	11.457	91	110628	19.383	ug/l	99
83) tert-Butylbenzene	11.713	119	115016	19.480	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	117652	19.906	ug/l	99
85) sec-Butylbenzene	11.890	105	139180	20.204	ug/l	100
86) p-Isopropyltoluene	12.012	119	119024	20.040	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	63898	19.638	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	65801	19.799	ug/l	99
89) n-Butylbenzene	12.335	91	97438	20.031	ug/l	99
90) Hexachloroethane	12.536	117	19112	18.931	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	63215	19.433	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8397	17.227	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	37620	19.149	ug/l	98
94) Hexachlorobutadiene	13.725	225	16133	20.507	ug/l	97
95) Naphthalene	13.774	128	125379	19.132	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	37844	19.019	ug/l	99

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

