

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122022\
 Data File : VX033501.D
 Acq On : 20 Dec 2022 12:35
 Operator : JC/MD
 Sample : VX1220WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1220WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/21/2022
 Supervised By : Mahesh Dadoda 12/21/2022

Quant Time: Dec 21 04:13:32 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	131330	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	199856	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	186504	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	38909	46.181	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 92.360%			
35) Dibromofluoromethane	5.379	113	45896	51.057	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.120%			
50) Toluene-d8	8.647	98	96505	51.319	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.640%			
62) 4-Bromofluorobenzene	11.079	95	81480	56.668	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.340%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	19998	21.798	ug/l	100
3) Chloromethane	1.294	50	20493	19.320	ug/l	98
4) Vinyl Chloride	1.374	62	23488	19.393	ug/l	97
5) Bromomethane	1.617	94	15537	17.481	ug/l	94
6) Chloroethane	1.691	64	16731	18.212	ug/l	98
7) Trichlorofluoromethane	1.892	101	36290	15.960	ug/l	100
8) Diethyl Ether	2.130	74	12745	15.518	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	22951	19.028	ug/l	100
10) Methyl Iodide	2.453	142	29681	22.468	ug/l	98
11) Tert butyl alcohol	2.989	59	22396	86.945	ug/l	100
12) 1,1-Dichloroethene	2.319	96	20395	17.130	ug/l	99
13) Acrolein	2.239	56	19669	70.405	ug/l	99
14) Allyl chloride	2.666	41	39101	20.565	ug/l	98
15) Acrylonitrile	3.062	53	64458	101.019	ug/l	99
16) Acetone	2.386	43	72080	115.615	ug/l	100
17) Carbon Disulfide	2.514	76	57289	18.748	ug/l	100
18) Methyl Acetate	2.703	43	38678	21.431	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	90083	21.843	ug/l	99
20) Methylene Chloride	2.788	84	29032	20.880	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	28104	21.578	ug/l	98
22) Diisopropyl ether	3.757	45	89878	22.063	ug/l	95
23) Vinyl Acetate	3.721	43	337821	106.842	ug/l	98
24) 1,1-Dichloroethane	3.605	63	51388	21.469	ug/l	99
25) 2-Butanone	4.556	43	95009	106.166	ug/l	97
26) 2,2-Dichloropropane	4.471	77	42119	23.929	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	33900	21.779	ug/l	98
28) Bromochloromethane	4.897	49	20579	20.539	ug/l	94
29) Tetrahydrofuran	5.007	42	56358	97.200	ug/l	97
30) Chloroform	5.086	83	59450	22.373	ug/l	93
31) Cyclohexane	5.470	56	44055	22.002	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	52471	22.951	ug/l	99
36) 1,1-Dichloropropene	5.690	75	41411	23.629	ug/l	98
37) Ethyl Acetate	4.708	43	34898	21.065	ug/l	99
38) Carbon Tetrachloride	5.672	117	46043	23.448	ug/l	96
39) Methylcyclohexane	7.379	83	47313	24.119	ug/l	97
40) Benzene	6.037	78	120668	23.614	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	19803	21.692	ug/l	97
42) 1,2-Dichloroethane	6.086	62	47218	23.270	ug/l	99
43) Isopropyl Acetate	6.336	43	58889	22.092	ug/l	99
44) Trichloroethene	7.123	130	34569	24.537	ug/l	96
45) 1,2-Dichloropropane	7.427	63	30452	23.302	ug/l	94
46) Dibromomethane	7.580	93	23083	23.187	ug/l	96
47) Bromodichloromethane	7.818	83	46234	23.825	ug/l	98
48) Methyl methacrylate	7.690	41	30180	21.937	ug/l	95
49) 1,4-Dioxane	7.690	88	12824	408.784	ug/l	98
51) 4-Methyl-2-Pentanone	8.567	43	191315	113.493	ug/l	97
52) Toluene	8.714	92	79831	24.163	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	44597	22.826	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	48887	23.674	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	33527	24.141	ug/l	98
56) Ethyl methacrylate	9.116	69	46129	23.591	ug/l	92
57) 1,3-Dichloropropane	9.305	76	53699	24.069	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	95249	106.458	ug/l	97
59) 2-Hexanone	9.427	43	147269	118.551	ug/l	97
60) Dibromochloromethane	9.519	129	36321	23.737	ug/l	100
61) 1,2-Dibromoethane	9.610	107	35030	23.713	ug/l	99
64) Tetrachloroethene	9.275	164	30693	24.067	ug/l	95
65) Chlorobenzene	10.079	112	90819	24.047	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	34304	24.035	ug/l	99
67) Ethyl Benzene	10.195	91	158177	24.040	ug/l	96
68) m/p-Xylenes	10.299	106	126058	49.243	ug/l	97
69) o-Xylene	10.640	106	60912	24.073	ug/l	98
70) Styrene	10.652	104	101641	24.527	ug/l	98
71) Bromoform	10.799	173	25395	22.479	ug/l #	97
73) Isopropylbenzene	10.963	105	164375	23.122	ug/l	100
74) N-amyl acetate	10.841	43	51121	21.077	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	49219	21.824	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	43799m	21.949	ug/l	
77) Bromobenzene	11.201	156	40264	22.429	ug/l	98
78) n-propylbenzene	11.305	91	186634	23.512	ug/l	99
79) 2-Chlorotoluene	11.366	91	112533	22.939	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	139272	23.535	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	12640	19.704	ug/l	98
82) 4-Chlorotoluene	11.457	91	130051	22.799	ug/l	98
83) tert-Butylbenzene	11.713	119	137705	23.336	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	137325	23.248	ug/l	100
85) sec-Butylbenzene	11.890	105	167629	24.347	ug/l	99
86) p-Isopropyltoluene	12.012	119	142397	23.989	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	75650	23.263	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	77955	23.469	ug/l	99
89) n-Butylbenzene	12.335	91	119460	24.572	ug/l	98
90) Hexachloroethane	12.542	117	21753	21.560	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	74686	22.972	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9717	19.947	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	45074	22.956	ug/l	96
94) Hexachlorobutadiene	13.725	225	20495	26.066	ug/l	99
95) Naphthalene	13.774	128	144028	21.990	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	44657	22.456	ug/l	99

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

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