

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041322\
 Data File : VX028083.D
 Acq On : 13 Apr 2022 11:25
 Operator : JC/MD
 Sample : VX0413WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/14/2022
 Supervised By : Mahesh Dadoda 04/14/2022

Quant Time: Apr 14 04:03:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 12 22:07:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	159641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	259895	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	240953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	124901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	106487	49.167	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.340%		
35) Dibromofluoromethane	5.391	113	85740	50.346	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.700%		
50) Toluene-d8	8.653	98	318490	50.144	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.280%		
62) 4-Bromofluorobenzene	11.079	95	109670	46.245	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.480%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	28918	18.656	ug/l	99
3) Chloromethane	1.294	50	33940	19.785	ug/l	99
4) Vinyl Chloride	1.374	62	39712	19.255	ug/l	96
5) Bromomethane	1.605	94	68528	31.357	ug/l	99
6) Chloroethane	1.685	64	31036	19.948	ug/l	99
7) Trichlorofluoromethane	1.886	101	75999	18.790	ug/l	96
8) Diethyl Ether	2.136	74	29448	18.998	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	31470	19.557	ug/l	96
10) Methyl Iodide	2.453	142	31600	16.864	ug/l	95
11) Tert butyl alcohol	2.971	59	46577	92.647	ug/l	99
12) 1,1-Dichloroethene	2.319	96	29557	18.758	ug/l	98
13) Acrolein	2.233	56	26072	94.096	ug/l	97
14) Allyl chloride	2.666	41	49555	17.770	ug/l #	87
15) Acrylonitrile	3.062	53	101432	97.366	ug/l	99
16) Acetone	2.380	43	86502	95.861	ug/l	91
17) Carbon Disulfide	2.514	76	80108	19.346	ug/l	100
18) Methyl Acetate	2.703	43	45165	18.757	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	117014	19.773	ug/l	99
20) Methylene Chloride	2.788	84	34732	19.324	ug/l #	87
21) trans-1,2-Dichloroethene	3.093	96	34894	18.486	ug/l	98
22) Diisopropyl ether	3.757	45	110590	18.480	ug/l #	74
23) Vinyl Acetate	3.721	43	513007	96.474	ug/l	95
24) 1,1-Dichloroethane	3.611	63	61891	19.104	ug/l	99
25) 2-Butanone	4.556	43	147224	94.388	ug/l	95
26) 2,2-Dichloropropane	4.477	77	55624	18.494	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	41077	19.305	ug/l	99
28) Bromochloromethane	4.904	49	27456	19.717	ug/l	91
29) Tetrahydrofuran	5.007	42	95824	93.993	ug/l	90
30) Chloroform	5.099	83	69537	19.303	ug/l	96
31) Cyclohexane	5.471	56	54275	18.225	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	61338	18.799	ug/l	98
36) 1,1-Dichloropropene	5.696	75	48501	18.660	ug/l	100
37) Ethyl Acetate	4.715	43	56873	18.783	ug/l	96
38) Carbon Tetrachloride	5.678	117	51314	18.493	ug/l	97
39) Methylcyclohexane	7.385	83	58559	19.059	ug/l	93
40) Benzene	6.044	78	143467	18.982	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	29898	18.560	ug/l	93
42) 1,2-Dichloroethane	6.092	62	54826	19.211	ug/l	98
43) Isopropyl Acetate	6.342	43	92370	18.311	ug/l	94
44) Trichloroethene	7.129	130	40024	19.914	ug/l	97
45) 1,2-Dichloropropane	7.434	63	36299	19.058	ug/l	95
46) Dibromomethane	7.580	93	28400	20.211	ug/l	93
47) Bromodichloromethane	7.824	83	51779	19.066	ug/l	99
48) Methyl methacrylate	7.696	41	41363	17.962	ug/l #	81
49) 1,4-Dioxane	7.671	88	19940	387.878	ug/l #	91
51) 4-Methyl-2-Pentanone	8.574	43	298590	92.839	ug/l	90
52) Toluene	8.720	92	92824	18.409	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	57504	18.746	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	60125	18.898	ug/l #	86
55) 1,1,2-Trichloroethane	9.153	97	38658	18.912	ug/l	95
56) Ethyl methacrylate	9.116	69	58035	18.062	ug/l #	76
57) 1,3-Dichloropropane	9.311	76	63825	18.835	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	136438	94.081	ug/l	99
59) 2-Hexanone	9.433	43	226762	90.025	ug/l	88
60) Dibromochloromethane	9.525	129	40204	18.399	ug/l	97
61) 1,2-Dibromoethane	9.610	107	41214	18.513	ug/l	96
64) Tetrachloroethene	9.275	164	37444	19.586	ug/l	96
65) Chlorobenzene	10.079	112	101049	19.220	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	37297	19.200	ug/l	100
67) Ethyl Benzene	10.195	91	178871	19.320	ug/l	99
68) m/p-Xylenes	10.305	106	140244	36.276	ug/l	100
69) o-Xylene	10.646	106	70047	18.639	ug/l	98
70) Styrene	10.659	104	114592	18.709	ug/l	99
71) Bromoform	10.799	173	29448	18.741	ug/l #	99
73) Isopropylbenzene	10.963	105	182011	20.513	ug/l	99
74) N-amyl acetate	10.842	43	78021	20.346	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	11.213	83	62549	20.179	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	56763m	20.414	ug/l	
77) Bromobenzene	11.201	156	44521	20.540	ug/l	93
78) n-propylbenzene	11.305	91	209194	20.286	ug/l	98
79) 2-Chlorotoluene	11.366	91	122814	19.639	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	152685	19.921	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	18440	18.678	ug/l	86
82) 4-Chlorotoluene	11.457	91	144019	19.563	ug/l	98
83) tert-Butylbenzene	11.713	119	152484	20.562	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	152617	20.338	ug/l	99
85) sec-Butylbenzene	11.890	105	189214	19.991	ug/l	99
86) p-Isopropyltoluene	12.012	119	158624	19.779	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	84063	19.904	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	84972	19.179	ug/l	99
89) n-Butylbenzene	12.335	91	136276	19.852	ug/l	96
90) Hexachloroethane	12.542	117	25647	19.033	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	83633	19.817	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	13961	20.472	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	51364	21.766	ug/l	100
94) Hexachlorobutadiene	13.725	225	21540	22.621	ug/l	90
95) Naphthalene	13.774	128	184145	22.342	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	51289	21.961	ug/l	96

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

