

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042222\
 Data File : VX028275.D
 Acq On : 22 Apr 2022 13:39
 Operator : JC/MD
 Sample : VX0422WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0422WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/25/2022
 Supervised By : Mahesh Dadoda 04/25/2022

Quant Time: Apr 22 15:54:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	381401	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	597260	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	550277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	300640	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	227155	45.677	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.360%		
35) Dibromofluoromethane	5.385	113	207122	49.450	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.900%		
50) Toluene-d8	8.647	98	762709	47.411	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.820%		
62) 4-Bromofluorobenzene	11.079	95	281288	45.730	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.460%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	64115	26.041	ug/l	99
3) Chloromethane	1.295	50	57897	21.974	ug/l	97
4) Vinyl Chloride	1.374	62	70122	18.237	ug/l	98
5) Bromomethane	1.599	94	62270	11.949	ug/l	99
6) Chloroethane	1.685	64	49413	15.736	ug/l	98
7) Trichlorofluoromethane	1.886	101	134138	15.820	ug/l	96
8) Diethyl Ether	2.130	74	47650	16.625	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	69187	22.401	ug/l	98
10) Methyl Iodide	2.453	142	73890	20.896	ug/l	98
11) Tert butyl alcohol	2.959	59	80187	77.336	ug/l	97
12) 1,1-Dichloroethene	2.319	96	63989	21.831	ug/l	93
13) Acrolein	2.233	56	76203	125.031	ug/l	99
14) Allyl chloride	2.666	41	85087	17.300	ug/l	92
15) Acrylonitrile	3.063	53	178566	88.111	ug/l	99
16) Acetone	2.374	43	151211	98.707	ug/l	96
17) Carbon Disulfide	2.514	76	137379	17.404	ug/l	100
18) Methyl Acetate	2.703	43	78466	17.746	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	221241	18.100	ug/l	98
20) Methylene Chloride	2.788	84	71827	19.466	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	70608	17.713	ug/l	90
22) Diisopropyl ether	3.757	45	191544	17.099	ug/l #	81
23) Vinyl Acetate	3.721	43	826072	84.406	ug/l	98
24) 1,1-Dichloroethane	3.611	63	118147	17.862	ug/l	98
25) 2-Butanone	4.550	43	243986	82.842	ug/l	97
26) 2,2-Dichloropropane	4.477	77	104722	16.215	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	84791	17.839	ug/l	92
28) Bromochloromethane	4.898	49	49427	17.417	ug/l	86
29) Tetrahydrofuran	5.001	42	153137	79.743	ug/l	98
30) Chloroform	5.099	83	136201	17.146	ug/l	95
31) Cyclohexane	5.471	56	102043	16.842	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	122183	16.986	ug/l	98
36) 1,1-Dichloropropene	5.696	75	95917	17.556	ug/l	96
37) Ethyl Acetate	4.709	43	93901	16.938	ug/l	99
38) Carbon Tetrachloride	5.678	117	106409	17.252	ug/l	98
39) Methylcyclohexane	7.379	83	120696	17.508	ug/l	96
40) Benzene	6.038	78	286183	17.894	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	48467	16.945	ug/l	97
42) 1,2-Dichloroethane	6.086	62	101501	17.097	ug/l	100
43) Isopropyl Acetate	6.336	43	147935	16.396	ug/l	97
44) Trichloroethene	7.123	130	87262	18.815	ug/l	99
45) 1,2-Dichloropropane	7.434	63	68450	17.485	ug/l	99
46) Dibromomethane	7.580	93	53785	17.515	ug/l	98
47) Bromodichloromethane	7.824	83	98355	16.665	ug/l	96
48) Methyl methacrylate	7.696	41	69010	16.659	ug/l	94
49) 1,4-Dioxane	7.659	88	38979	351.744	ug/l	90
51) 4-Methyl-2-Pentanone	8.574	43	488655	84.398	ug/l	96
52) Toluene	8.720	92	193553	17.420	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	102239	16.299	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	110979	16.476	ug/l #	91
55) 1,1,2-Trichloroethane	9.153	97	80202	17.766	ug/l	98
56) Ethyl methacrylate	9.116	69	112660	17.216	ug/l #	93
57) 1,3-Dichloropropane	9.311	76	128170	17.590	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	294461	95.903	ug/l	91
59) 2-Hexanone	9.433	43	377531	84.177	ug/l	95
60) Dibromochloromethane	9.525	129	81275	16.514	ug/l	95
61) 1,2-Dibromoethane	9.610	107	87456	17.658	ug/l	99
64) Tetrachloroethene	9.275	164	85691	19.936	ug/l	97
65) Chlorobenzene	10.080	112	218824	18.651	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	79202	18.122	ug/l	99
67) Ethyl Benzene	10.195	91	369864	18.801	ug/l	96
68) m/p-Xylenes	10.305	106	306470	38.276	ug/l	95
69) o-Xylene	10.640	106	149500	18.727	ug/l	95
70) Styrene	10.659	104	243736	18.846	ug/l	99
71) Bromoform	10.799	173	57523	16.819	ug/l #	99
73) Isopropylbenzene	10.964	105	389854	18.866	ug/l	99
74) N-amyl acetate	10.842	43	124523	17.435	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	121015	18.047	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	109104m	18.440	ug/l	
77) Bromobenzene	11.201	156	100839	18.737	ug/l	90
78) n-propylbenzene	11.305	91	438929	19.156	ug/l	96
79) 2-Chlorotoluene	11.366	91	262187	18.405	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	333504	19.013	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	30047	15.091	ug/l	89
82) 4-Chlorotoluene	11.457	91	301233	18.357	ug/l	94
83) tert-Butylbenzene	11.713	119	336213	18.771	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	329806	18.915	ug/l	98
85) sec-Butylbenzene	11.890	105	408789	18.917	ug/l	98
86) p-Isopropyltoluene	12.012	119	355698	19.080	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	193613	19.147	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	194902	18.357	ug/l	100
89) n-Butylbenzene	12.335	91	282354	18.445	ug/l	98
90) Hexachloroethane	12.543	117	51051	16.481	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	192522	19.165	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	25315	16.975	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	119209	19.952	ug/l	100
94) Hexachlorobutadiene	13.725	225	49347	18.509	ug/l	95
95) Naphthalene	13.774	128	401762	20.186	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	118011	20.122	ug/l	96

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

