

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042722\
 Data File : VX028384.D
 Acq On : 27 Apr 2022 17:29
 Operator : JC/MD
 Sample : VX0427MBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427MBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/28/2022
 Supervised By : Mahesh Dadoda 04/28/2022

Quant Time: Apr 28 04:24:53 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	5.556	168	365518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	589825	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	544625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	287463	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	218518	45.850	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.700%		
35) Dibromofluoromethane	5.391	113	197461	47.737	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.480%		
50) Toluene-d8	8.653	98	720502	45.351	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	90.700%		
62) 4-Bromofluorobenzene	11.079	95	265535	43.713	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.420%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	62939	26.675	ug/l	99
3) Chloromethane	1.288	50	60369	24.131	ug/l	99
4) Vinyl Chloride	1.374	62	71719	19.463	ug/l	100
5) Bromomethane	1.605	94	108624	29.776	ug/l	99
6) Chloroethane	1.685	64	50958	17.196	ug/l	97
7) Trichlorofluoromethane	1.886	101	134343	16.533	ug/l	96
8) Diethyl Ether	2.136	74	48989	18.076	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	68936	23.290	ug/l	98
10) Methyl Iodide	2.453	142	83869	23.784	ug/l	97
11) Tert butyl alcohol	2.977	59	92712	95.437	ug/l	97
12) 1,1-Dichloroethene	2.319	96	62629	22.295	ug/l	98
13) Acrolein	2.239	56	48341	82.763	ug/l	100
14) Allyl chloride	2.666	41	87132	18.485	ug/l	91
15) Acrylonitrile	3.062	53	193399	99.577	ug/l	99
16) Acetone	2.380	43	158073	107.797	ug/l	97
17) Carbon Disulfide	2.514	76	119141	15.749	ug/l	98
18) Methyl Acetate	2.703	43	85172	20.100	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	237558	20.280	ug/l	96
20) Methylene Chloride	2.788	84	75935	21.473	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	71403	18.690	ug/l	92
22) Diisopropyl ether	3.757	45	205248	19.118	ug/l #	75
23) Vinyl Acetate	3.721	43	888199	94.698	ug/l	100
24) 1,1-Dichloroethane	3.611	63	125041	19.725	ug/l	99
25) 2-Butanone	4.556	43	260630	92.338	ug/l	99
26) 2,2-Dichloropropane	4.477	77	104428	16.872	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	88223	19.367	ug/l	93
28) Bromochloromethane	4.897	49	53096	19.523	ug/l	87
29) Tetrahydrofuran	5.007	42	166464	90.449	ug/l	100
30) Chloroform	5.099	83	142794	18.757	ug/l	100
31) Cyclohexane	5.477	56	104533	18.003	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	126518	18.353	ug/l	98
36) 1,1-Dichloropropene	5.696	75	99716	18.481	ug/l	98
37) Ethyl Acetate	4.715	43	101097	18.466	ug/l	99
38) Carbon Tetrachloride	5.678	117	108276	17.776	ug/l	97
39) Methylcyclohexane	7.379	83	113620	16.690	ug/l	94
40) Benzene	6.044	78	305309	19.331	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	52324	18.524	ug/l	97
42) 1,2-Dichloroethane	6.092	62	110589	18.863	ug/l	99
43) Isopropyl Acetate	6.342	43	158764	17.818	ug/l	98
44) Trichloroethene	7.129	130	89041	19.441	ug/l	94
45) 1,2-Dichloropropane	7.434	63	74472	19.264	ug/l	98
46) Dibromomethane	7.580	93	58161	19.178	ug/l	98
47) Bromodichloromethane	7.824	83	104908	17.999	ug/l	99
48) Methyl methacrylate	7.696	41	76244	18.638	ug/l	92
49) 1,4-Dioxane	7.665	88	42047	384.212	ug/l	93
51) 4-Methyl-2-Pentanone	8.574	43	529661	92.634	ug/l	97
52) Toluene	8.720	92	203280	18.526	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	107780	17.399	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	118618	17.832	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	86111	19.315	ug/l	98
56) Ethyl methacrylate	9.116	69	122708	18.988	ug/l #	93
57) 1,3-Dichloropropane	9.311	76	138074	19.188	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	287920	94.955	ug/l	93
59) 2-Hexanone	9.433	43	410173	92.608	ug/l	95
60) Dibromochloromethane	9.525	129	82828	17.042	ug/l	96
61) 1,2-Dibromoethane	9.610	107	92310	18.873	ug/l	100
64) Tetrachloroethene	9.275	164	74458	17.503	ug/l	98
65) Chlorobenzene	10.079	112	229912	19.800	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	83711	19.352	ug/l	100
67) Ethyl Benzene	10.195	91	393664	20.218	ug/l	98
68) m/p-Xylenes	10.305	106	310645	39.200	ug/l	96
69) o-Xylene	10.640	106	154438	19.547	ug/l	96
70) Styrene	10.659	104	255697	19.976	ug/l	98
71) Bromoform	10.799	173	58942	17.286	ug/l #	96
73) Isopropylbenzene	10.963	105	402331	20.363	ug/l	99
74) N-amyl acetate	10.848	43	138091	20.221	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	137192	21.397	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	117032m	20.686	ug/l	
77) Bromobenzene	11.201	156	104086	20.227	ug/l	89
78) n-propylbenzene	11.305	91	442627	20.203	ug/l	96
79) 2-Chlorotoluene	11.366	91	272933	20.037	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	334212	19.927	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	31217	16.398	ug/l #	85
82) 4-Chlorotoluene	11.457	91	310780	19.807	ug/l	97
83) tert-Butylbenzene	11.713	119	346753	20.247	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	337711	20.256	ug/l	98
85) sec-Butylbenzene	11.890	105	402887	19.499	ug/l	98
86) p-Isopropyltoluene	12.012	119	347992	19.523	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	192541	19.913	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	201235	19.822	ug/l	99
89) n-Butylbenzene	12.335	91	272481	18.616	ug/l	98
90) Hexachloroethane	12.542	117	50748	17.062	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	196876	20.497	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	26714	18.735	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	118478	20.739	ug/l	99
94) Hexachlorobutadiene	13.725	225	49731	19.508	ug/l	95
95) Naphthalene	13.774	128	417437	21.935	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	119689	21.344	ug/l	96

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

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