

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051622\
 Data File : VX028723.D
 Acq On : 16 May 2022 12:01
 Operator : JC/MD
 Sample : VX0516WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/17/2022
 Supervised By : Mahesh Dadoda 05/17/2022

Quant Time: May 17 03:33:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	180797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	301255	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	276552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	139193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	139511	56.293	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 112.580%			
35) Dibromofluoromethane	5.385	113	110150	55.807	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 111.620%			
50) Toluene-d8	8.647	98	410787	55.202	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 110.400%			
62) 4-Bromofluorobenzene	11.079	95	151123	54.371	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 108.740%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	43269	18.277	ug/l	98
3) Chloromethane	1.288	50	40353	18.100	ug/l	98
4) Vinyl Chloride	1.374	62	43252	18.002	ug/l	98
5) Bromomethane	1.599	94	33459	15.922	ug/l	99
6) Chloroethane	1.685	64	29711	18.233	ug/l	97
7) Trichlorofluoromethane	1.886	101	69672	18.188	ug/l	99
8) Diethyl Ether	2.130	74	29309	20.998	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	37115	18.412	ug/l	96
10) Methyl Iodide	2.453	142	37312	15.461	ug/l	94
11) Tert butyl alcohol	2.965	59	50785	91.500	ug/l	100
12) 1,1-Dichloroethene	2.319	96	33401	17.850	ug/l	99
13) Acrolein	2.233	56	53874	132.438	ug/l	99
14) Allyl chloride	2.666	41	55327	18.436	ug/l	91
15) Acrylonitrile	3.062	53	118617	99.339	ug/l	97
16) Acetone	2.380	43	102454	96.325	ug/l	95
17) Carbon Disulfide	2.508	76	83314	17.176	ug/l	99
18) Methyl Acetate	2.703	43	53187	19.965	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	126200	19.006	ug/l	98
20) Methylene Chloride	2.788	84	41043	18.393	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	38196	18.122	ug/l	96
22) Diisopropyl ether	3.764	45	121234	18.903	ug/l	91
23) Vinyl Acetate	3.721	43	543555	98.314	ug/l	96
24) 1,1-Dichloroethane	3.611	63	69190	18.557	ug/l	97
25) 2-Butanone	4.556	43	164899	98.768	ug/l	98
26) 2,2-Dichloropropane	4.477	77	51833	17.731	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	45111	18.326	ug/l	97
28) Bromochloromethane	4.897	49	33856	21.573	ug/l	93
29) Tetrahydrofuran	5.007	42	107005	98.601	ug/l	93
30) Chloroform	5.093	83	74477	18.457	ug/l	100
31) Cyclohexane	5.471	56	62753	18.242	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	64642	18.350	ug/l	98
36) 1,1-Dichloropropene	5.696	75	53427	18.022	ug/l	98
37) Ethyl Acetate	4.715	43	63385	20.470	ug/l	97
38) Carbon Tetrachloride	5.678	117	54579	18.294	ug/l	96
39) Methylcyclohexane	7.385	83	65243	19.190	ug/l	90
40) Benzene	6.038	78	159350	18.703	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	32785	19.747	ug/l	93
42) 1,2-Dichloroethane	6.086	62	61708	19.635	ug/l	98
43) Isopropyl Acetate	6.342	43	95688	19.753	ug/l	94
44) Trichloroethene	7.123	130	41698	18.045	ug/l	93
45) 1,2-Dichloropropane	7.428	63	40451	19.029	ug/l	99
46) Dibromomethane	7.580	93	30494	19.209	ug/l	92
47) Bromodichloromethane	7.824	83	55871	18.956	ug/l	97
48) Methyl methacrylate	7.696	41	46809	20.003	ug/l	86
49) 1,4-Dioxane	7.665	88	23841	407.813	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	323431	101.362	ug/l	93
52) Toluene	8.720	92	103169	18.824	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	54891	17.289	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	62578	18.870	ug/l #	89
55) 1,1,2-Trichloroethane	9.153	97	43545	19.484	ug/l	97
56) Ethyl methacrylate	9.116	69	64216	18.974	ug/l #	83
57) 1,3-Dichloropropane	9.311	76	72101	19.127	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	177524	107.138	ug/l	100
59) 2-Hexanone	9.433	43	252481	101.845	ug/l	89
60) Dibromochloromethane	9.525	129	41356	18.974	ug/l	97
61) 1,2-Dibromoethane	9.610	107	44962	19.154	ug/l	99
64) Tetrachloroethene	9.275	164	38849	18.602	ug/l	97
65) Chlorobenzene	10.079	112	110372	18.813	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	39687	19.096	ug/l	99
67) Ethyl Benzene	10.195	91	194193	18.467	ug/l	99
68) m/p-Xylenes	10.305	106	154394	37.712	ug/l	99
69) o-Xylene	10.640	106	75351	18.694	ug/l	98
70) Styrene	10.659	104	125114	19.113	ug/l	98
71) Bromoform	10.799	173	28847	17.979	ug/l #	99
73) Isopropylbenzene	10.963	105	196988	18.662	ug/l	99
74) N-amyl acetate	10.842	43	80142	19.314	ug/l	90
75) 1,1,2,2-Tetrachloroethane	11.213	83	70214	19.389	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	64390m	19.753	ug/l	
77) Bromobenzene	11.201	156	45908	18.381	ug/l	95
78) n-propylbenzene	11.305	91	227689	18.648	ug/l	100
79) 2-Chlorotoluene	11.366	91	137041	18.312	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	167589	19.054	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	17522	18.664	ug/l #	81
82) 4-Chlorotoluene	11.457	91	157897	18.251	ug/l	100
83) tert-Butylbenzene	11.713	119	165262	19.406	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	168760	19.134	ug/l	99
85) sec-Butylbenzene	11.890	105	204845	19.501	ug/l	99
86) p-Isopropyltoluene	12.012	119	170855	19.383	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	90144	18.401	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	92016	18.109	ug/l	98
89) n-Butylbenzene	12.335	91	147057	19.255	ug/l	98
90) Hexachloroethane	12.542	117	29378	20.610	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	91141	18.938	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	16591	21.457	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	62105	22.344	ug/l	99
94) Hexachlorobutadiene	13.725	225	25611	22.681	ug/l	96
95) Naphthalene	13.780	128	231818	23.437	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	60015	21.498	ug/l	96

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

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