

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090122\
 Data File : VX031031.D
 Acq On : 01 Sep 2022 19:45
 Operator : JC/MD
 Sample : VX0901WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0901WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/02/2022
 Supervised By : Mahesh Dadoda 09/02/2022

Quant Time: Sep 02 02:55:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 02:49:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	179411	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	304985	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	262044	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	142045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	121901	52.806	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.620%			
35) Dibromofluoromethane	5.391	113	114950	51.647	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.300%			
50) Toluene-d8	8.653	98	426994	52.128	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.260%			
62) 4-Bromofluorobenzene	11.079	95	155439	53.727	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.460%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	37023	20.055	ug/l	99
3) Chloromethane	1.288	50	28766	17.635	ug/l	98
4) Vinyl Chloride	1.374	62	38041	19.727	ug/l	98
5) Bromomethane	1.605	94	15823	18.354	ug/l	97
6) Chloroethane	1.678	64	21512	17.888	ug/l	98
7) Trichlorofluoromethane	1.886	101	66852	20.516	ug/l	100
8) Diethyl Ether	2.136	74	22229	19.560	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.325	101	42880	19.867	ug/l	92
10) Methyl Iodide	2.453	142	35502	18.916	ug/l	97
11) Tert butyl alcohol	2.989	59	61041	119.654	ug/l	99
12) 1,1-Dichloroethene	2.319	96	43044	20.652	ug/l	92
13) Acrolein	2.239	56	43176	102.208	ug/l	98
14) Allyl chloride	2.660	41	55759	20.144	ug/l #	92
15) Acrylonitrile	3.068	53	120587	111.416	ug/l	98
16) Acetone	2.392	43	96683	108.488	ug/l #	85
17) Carbon Disulfide	2.508	76	104520	19.310	ug/l	99
18) Methyl Acetate	2.709	43	57695	22.529	ug/l	90
19) Methyl tert-butyl Ether	3.117	73	137680	21.449	ug/l	93
20) Methylene Chloride	2.788	84	48795	21.242	ug/l	84
21) trans-1,2-Dichloroethene	3.093	96	46305	19.965	ug/l	92
22) Diisopropyl ether	3.769	45	119727	21.466	ug/l #	85
23) Vinyl Acetate	3.727	43	502854	111.620	ug/l #	92
24) 1,1-Dichloroethane	3.611	63	76853	20.449	ug/l	98
25) 2-Butanone	4.568	43	150627	109.481	ug/l #	88
26) 2,2-Dichloropropane	4.489	77	52676	17.564	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	54371	20.917	ug/l	93
28) Bromochloromethane	4.903	49	21933	19.698	ug/l #	67
29) Tetrahydrofuran	5.019	42	96433	108.720	ug/l #	83
30) Chloroform	5.099	83	85485	20.742	ug/l	96
31) Cyclohexane	5.476	56	65747	20.849	ug/l	93
32) 1,1,1-Trichloroethane	5.391	97	74089	20.971	ug/l	96
36) 1,1-Dichloropropene	5.696	75	62014	19.892	ug/l	98
37) Ethyl Acetate	4.721	43	56357	20.806	ug/l #	92
38) Carbon Tetrachloride	5.684	117	65155	20.134	ug/l	97
39) Methylcyclohexane	7.385	83	76173	19.715	ug/l	95
40) Benzene	6.043	78	184490	20.612	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	30758	21.299	ug/l #	89
42) 1,2-Dichloroethane	6.098	62	61704	20.899	ug/l	100
43) Isopropyl Acetate	6.342	43	90167	21.299	ug/l #	92
44) Trichloroethene	7.129	130	59856	21.128	ug/l	89
45) 1,2-Dichloropropane	7.433	63	46247	20.158	ug/l	97
46) Dibromomethane	7.586	93	36060	21.000	ug/l	91
47) Bromodichloromethane	7.824	83	64802	20.200	ug/l #	97
48) Methyl methacrylate	7.696	41	44586	20.862	ug/l	89
49) 1,4-Dioxane	7.683	88	27357	420.841	ug/l	93
51) 4-Methyl-2-Pentanone	8.580	43	289165	106.255	ug/l	88
52) Toluene	8.720	92	118177	20.359	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	63050	19.849	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	73746	20.763	ug/l #	87
55) 1,1,2-Trichloroethane	9.153	97	52435	21.249	ug/l	97
56) Ethyl methacrylate	9.122	69	70930	21.026	ug/l	88
57) 1,3-Dichloropropane	9.311	76	80205	20.556	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	170372	101.136	ug/l	92
59) 2-Hexanone	9.433	43	222284	108.010	ug/l	88
60) Dibromochloromethane	9.525	129	52889	20.641	ug/l	99
61) 1,2-Dibromoethane	9.610	107	56940	21.856	ug/l	97
64) Tetrachloroethene	9.275	164	55644	21.267	ug/l	95
65) Chlorobenzene	10.079	112	130539	20.858	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	49322	21.343	ug/l	98
67) Ethyl Benzene	10.195	91	227274	21.197	ug/l	100
68) m/p-Xylenes	10.305	106	180796	42.994	ug/l	98
69) o-Xylene	10.646	106	87548	21.228	ug/l	97
70) Styrene	10.659	104	149079	22.337	ug/l	99
71) Bromoform	10.799	173	39977	22.248	ug/l #	99
73) Isopropylbenzene	10.963	105	230758	20.153	ug/l	100
74) N-amyl acetate	10.841	43	74771	21.633	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.213	83	74507	20.348	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	68955m	20.536	ug/l	
77) Bromobenzene	11.201	156	61252	20.748	ug/l	87
78) n-propylbenzene	11.305	91	267176	20.487	ug/l	97
79) 2-Chlorotoluene	11.366	91	164419	20.474	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	196844	20.428	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	21017	19.671	ug/l	93
82) 4-Chlorotoluene	11.457	91	183763	20.451	ug/l	98
83) tert-Butylbenzene	11.719	119	191123	19.928	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	209941	21.920	ug/l	99
85) sec-Butylbenzene	11.890	105	256942	20.454	ug/l	98
86) p-Isopropyltoluene	12.012	119	229815	23.101	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	109927	19.439	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	114811	20.386	ug/l	97
89) n-Butylbenzene	12.335	91	174622	19.467	ug/l	98
90) Hexachloroethane	12.536	117	37013	20.530	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	118640	20.455	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	18457	20.688	ug/l	88
93) 1,2,4-Trichlorobenzene	13.591	180	79723	21.719	ug/l	96
94) Hexachlorobutadiene	13.725	225	29488	18.348	ug/l	95
95) Naphthalene	13.780	128	278190	21.607	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	78078	20.278	ug/l	95

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

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