

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042522\
 Data File : VX028319.D
 Acq On : 25 Apr 2022 12:13
 Operator : JC/MD
 Sample : VX0425WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0425WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/26/2022
 Supervised By : Mahesh Dadoda 04/26/2022

Quant Time: Apr 26 08:09:34 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	345332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	543429	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	513448	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	278526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	212879	47.278	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.560%		
35) Dibromofluoromethane	5.385	113	191858	50.343	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.680%		
50) Toluene-d8	8.653	98	709701	48.485	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.980%		
62) 4-Bromofluorobenzene	11.079	95	262238	46.856	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.720%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	61378	27.534	ug/l	100
3) Chloromethane	1.294	50	55200	23.273	ug/l	97
4) Vinyl Chloride	1.374	62	69703	20.022	ug/l	96
5) Bromomethane	1.599	94	60376	13.489	ug/l	96
6) Chloroethane	1.685	64	49295	17.690	ug/l	98
7) Trichlorofluoromethane	1.886	101	129471	16.865	ug/l	97
8) Diethyl Ether	2.136	74	46453	18.155	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.331	101	66627	23.825	ug/l	99
10) Methyl Iodide	2.453	142	67882	21.126	ug/l	96
11) Tert butyl alcohol	2.959	59	81679	88.296	ug/l	100
12) 1,1-Dichloroethene	2.319	96	60963	22.971	ug/l	95
13) Acrolein	2.233	56	60003	108.734	ug/l	97
14) Allyl chloride	2.666	41	83980	18.858	ug/l	92
15) Acrylonitrile	3.062	53	176667	96.279	ug/l	99
16) Acetone	2.380	43	146375	105.627	ug/l	96
17) Carbon Disulfide	2.514	76	131443	18.391	ug/l	100
18) Methyl Acetate	2.703	43	78371	19.576	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	216035	19.521	ug/l	99
20) Methylene Chloride	2.788	84	70083	20.977	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	68748	19.047	ug/l	94
22) Diisopropyl ether	3.757	45	187845	18.520	ug/l #	79
23) Vinyl Acetate	3.721	43	816641	92.158	ug/l	100
24) 1,1-Dichloroethane	3.611	63	117716	19.655	ug/l	99
25) 2-Butanone	4.556	43	240693	90.259	ug/l	100
26) 2,2-Dichloropropane	4.477	77	101465	17.352	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	82751	19.228	ug/l	92
28) Bromochloromethane	4.897	49	48113	18.725	ug/l	88
29) Tetrahydrofuran	5.001	42	151375	87.058	ug/l	99
30) Chloroform	5.092	83	134016	18.633	ug/l	99
31) Cyclohexane	5.470	56	99842	18.200	ug/l	100
32) 1,1,1-Trichloroethane	5.385	97	118930	18.261	ug/l	98
36) 1,1-Dichloropropene	5.690	75	94542	19.018	ug/l	98
37) Ethyl Acetate	4.708	43	93040	18.445	ug/l	99
38) Carbon Tetrachloride	5.678	117	105662	18.828	ug/l	99
39) Methylcyclohexane	7.385	83	115070	18.346	ug/l	92
40) Benzene	6.037	78	278906	19.167	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	48730	18.725	ug/l	98
42) 1,2-Dichloroethane	6.092	62	101118	18.720	ug/l	98
43) Isopropyl Acetate	6.342	43	145976	17.782	ug/l	97
44) Trichloroethene	7.129	130	85010	20.146	ug/l	98
45) 1,2-Dichloropropane	7.434	63	66324	18.621	ug/l	97
46) Dibromomethane	7.586	93	53932	19.302	ug/l	99
47) Bromodichloromethane	7.824	83	97927	18.236	ug/l	97
48) Methyl methacrylate	7.696	41	69059	18.323	ug/l	93
49) 1,4-Dioxane	7.659	88	38570	382.531	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	489226	92.867	ug/l	96
52) Toluene	8.720	92	191039	18.897	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	102500	17.960	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	112370	18.335	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	79988	19.473	ug/l	99
56) Ethyl methacrylate	9.116	69	111358	18.703	ug/l #	92
57) 1,3-Dichloropropane	9.311	76	126051	19.013	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	277179	99.217	ug/l	93
59) 2-Hexanone	9.433	43	375527	92.025	ug/l	94
60) Dibromochloromethane	9.525	129	81783	18.264	ug/l	96
61) 1,2-Dibromoethane	9.610	107	85429	18.958	ug/l	99
64) Tetrachloroethene	9.275	164	82592	20.594	ug/l	97
65) Chlorobenzene	10.079	112	214834	19.625	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	79876	19.587	ug/l	99
67) Ethyl Benzene	10.195	91	366253	19.952	ug/l	98
68) m/p-Xylenes	10.305	106	300120	40.172	ug/l	95
69) o-Xylene	10.646	106	146558	19.676	ug/l	95
70) Styrene	10.659	104	241014	19.973	ug/l	99
71) Bromoform	10.799	173	59518	18.261	ug/l #	99
73) Isopropylbenzene	10.963	105	378543	19.773	ug/l	99
74) N-amyl acetate	10.841	43	125284	18.934	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	121062	19.487	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	109285m	19.937	ug/l	
77) Bromobenzene	11.201	156	98266	19.709	ug/l	90
78) n-propylbenzene	11.305	91	428278	20.175	ug/l	96
79) 2-Chlorotoluene	11.366	91	259108	19.633	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	326898	20.116	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	30380	16.470	ug/l	88
82) 4-Chlorotoluene	11.457	91	297045	19.539	ug/l	95
83) tert-Butylbenzene	11.713	119	326960	19.704	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	323348	20.017	ug/l	98
85) sec-Butylbenzene	11.890	105	399918	19.976	ug/l	99
86) p-Isopropyltoluene	12.012	119	346850	20.083	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	185761	19.829	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	190891	19.406	ug/l	99
89) n-Butylbenzene	12.335	91	276501	19.497	ug/l	98
90) Hexachloroethane	12.542	117	53678	18.460	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	187252	20.120	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	25267	18.288	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	114811	20.742	ug/l	100
94) Hexachlorobutadiene	13.725	225	48506	19.638	ug/l	94
95) Naphthalene	13.780	128	379212	20.565	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	115023	21.170	ug/l	96

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

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