

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032822\
 Data File : VX027772.D
 Acq On : 29 Mar 2022 01:06
 Operator : JC/MD
 Sample : VX0328WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/29/2022
 Supervised By : Mahesh Dadoda 03/29/2022

Quant Time: Mar 29 05:44:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 16:26:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	56968	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	102568	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	87348	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	40153	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	47412	50.743	ug/l	-0.01
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.480%			
35) Dibromofluoromethane	5.391	113	35421	52.588	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.180%			
50) Toluene-d8	8.647	98	129165	49.608	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.220%			
62) 4-Bromofluorobenzene	11.085	95	54244	51.342	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 102.680%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	12244	18.529	ug/l	97
3) Chloromethane	1.294	50	12458	18.195	ug/l	100
4) Vinyl Chloride	1.374	62	12544	19.073	ug/l	98
5) Bromomethane	1.599	94	5592	21.178	ug/l	96
6) Chloroethane	1.678	64	7585	17.972	ug/l	94
7) Trichlorofluoromethane	1.880	101	20428	21.042	ug/l	94
8) Diethyl Ether	2.136	74	7904	22.559	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.325	101	13006	20.033	ug/l #	90
10) Methyl Iodide	2.453	142	14854	23.440	ug/l #	85
11) Tert butyl alcohol	2.971	59	21729	124.903	ug/l	98
12) 1,1-Dichloroethene	2.312	96	12059	19.928	ug/l	84
13) Acrolein	2.233	56	12668	104.031	ug/l	93
14) Allyl chloride	2.666	41	27163	23.728	ug/l #	86
15) Acrylonitrile	3.062	53	49503	116.194	ug/l	98
16) Acetone	2.379	43	48593	122.971	ug/l #	83
17) Carbon Disulfide	2.507	76	26552	16.355	ug/l	99
18) Methyl Acetate	2.703	43	24458	24.202	ug/l #	85
19) Methyl tert-butyl Ether	3.117	73	53149	23.925	ug/l	99
20) Methylene Chloride	2.788	84	15419	21.871	ug/l #	87
21) trans-1,2-Dichloroethene	3.093	96	13556	20.141	ug/l	85
22) Diisopropyl ether	3.763	45	52510	23.022	ug/l #	82
23) Vinyl Acetate	3.721	43	233410	117.026	ug/l #	89
24) 1,1-Dichloroethane	3.611	63	29461	22.795	ug/l	97
25) 2-Butanone	4.562	43	70976	111.842	ug/l #	88
26) 2,2-Dichloropropane	4.471	77	20567	20.811	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	15986	21.323	ug/l	88
28) Bromochloromethane	4.903	49	11975	23.229	ug/l #	78
29) Tetrahydrofuran	5.007	42	44319	127.329	ug/l #	83
30) Chloroform	5.098	83	30433	23.498	ug/l	98
31) Cyclohexane	5.476	56	24205	21.365	ug/l	86
32) 1,1,1-Trichloroethane	5.391	97	25375	22.045	ug/l	95
36) 1,1-Dichloropropene	5.696	75	21223	19.949	ug/l	95
37) Ethyl Acetate	4.714	43	25973	20.974	ug/l	95
38) Carbon Tetrachloride	5.678	117	21821	20.989	ug/l	96
39) Methylcyclohexane	7.385	83	23688	19.356	ug/l	93
40) Benzene	6.037	78	59439	20.226	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	14090	21.722	ug/l	87
42) 1,2-Dichloroethane	6.098	62	23343	18.684	ug/l	95
43) Isopropyl Acetate	6.342	43	38492	20.582	ug/l #	92
44) Trichloroethene	7.129	130	14913	19.612	ug/l	93
45) 1,2-Dichloropropane	7.433	63	16474	21.359	ug/l	96
46) Dibromomethane	7.580	93	12093	21.910	ug/l #	83
47) Bromodichloromethane	7.824	83	22896	21.183	ug/l	96
48) Methyl methacrylate	7.696	41	23086	25.783	ug/l #	76
49) 1,4-Dioxane	7.665	88	7991	405.026	ug/l #	79
51) 4-Methyl-2-Pentanone	8.573	43	151526	118.024	ug/l #	85
52) Toluene	8.720	92	37098	20.192	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	23756	20.824	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	25158	21.113	ug/l #	79
55) 1,1,2-Trichloroethane	9.153	97	15838	21.219	ug/l	92
56) Ethyl methacrylate	9.116	69	26331	21.583	ug/l #	62
57) 1,3-Dichloropropane	9.311	76	28637	21.268	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	65542	104.932	ug/l	90
59) 2-Hexanone	9.433	43	117451	117.067	ug/l	79
60) Dibromochloromethane	9.525	129	15160	20.996	ug/l	96
61) 1,2-Dibromoethane	9.610	107	16240	20.375	ug/l	99
64) Tetrachloroethene	9.275	164	13408	21.629	ug/l	89
65) Chlorobenzene	10.079	112	39810	21.633	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	14185	22.428	ug/l	100
67) Ethyl Benzene	10.195	91	77379	22.575	ug/l	99
68) m/p-Xylenes	10.299	106	53889	43.376	ug/l	79
69) o-Xylene	10.640	106	27658	22.154	ug/l	83
70) Styrene	10.658	104	45567	22.960	ug/l #	89
71) Bromoform	10.805	173	9596	20.941	ug/l #	98
73) Isopropylbenzene	10.963	105	74110	22.471	ug/l	97
74) N-amyl acetate	10.847	43	39316	24.838	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	11.213	83	25872	22.264	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	26329m	23.551	ug/l	
77) Bromobenzene	11.201	156	15791	21.671	ug/l	69
78) n-propylbenzene	11.305	91	88242	22.551	ug/l	95
79) 2-Chlorotoluene	11.366	91	55878	22.651	ug/l	89
80) 1,3,5-Trimethylbenzene	11.451	105	65466	23.095	ug/l	92
81) trans-1,4-Dichloro-2-b...	11.018	75	6951	21.164	ug/l #	70
82) 4-Chlorotoluene	11.457	91	64587	22.760	ug/l	92
83) tert-Butylbenzene	11.713	119	59042	22.673	ug/l	82
84) 1,2,4-Trimethylbenzene	11.750	105	65156	22.646	ug/l	93
85) sec-Butylbenzene	11.890	105	76120	22.314	ug/l	94
86) p-Isopropyltoluene	12.012	119	60476	22.526	ug/l	91
87) 1,3-Dichlorobenzene	11.969	146	28591	20.987	ug/l	92
88) 1,4-Dichlorobenzene	12.042	146	30019	21.271	ug/l	93
89) n-Butylbenzene	12.335	91	57142	22.482	ug/l	93
90) Hexachloroethane	12.536	117	8639	20.164	ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	29768	22.534	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6396	22.456	ug/l	59
93) 1,2,4-Trichlorobenzene	13.591	180	16526	21.225	ug/l	98
94) Hexachlorobutadiene	13.725	225	7966	21.010	ug/l	93
95) Naphthalene	13.780	128	64729	22.637	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	16756	21.529	ug/l	94

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

