

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021624\
 Data File : VX040266.D
 Acq On : 16 Feb 2024 10:33
 Operator : JC/MD
 Sample : VX0216WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0216WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/17/2024
 Supervised By : Semsettin Yesilyurt 02/20/2024

Quant Time: Feb 17 01:30:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	74214	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	120691	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	115321	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60029	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	53424	48.388	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.780%		
35) Dibromofluoromethane	5.385	113	41963	49.788	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.580%		
50) Toluene-d8	8.647	98	155586	49.348	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.700%		
62) 4-Bromofluorobenzene	11.079	95	60052	46.702	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.400%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	16255	19.390	ug/l	99
3) Chloromethane	1.294	50	15483	17.910	ug/l	100
4) Vinyl Chloride	1.374	62	17005	18.614	ug/l	98
5) Bromomethane	1.605	94	12484	24.216	ug/l	98
6) Chloroethane	1.691	64	10154	17.624	ug/l	94
7) Trichlorofluoromethane	1.886	101	27526	18.762	ug/l	98
8) Diethyl Ether	2.130	74	10215	18.535	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.331	101	16622	21.122	ug/l	99
10) Methyl Iodide	2.453	142	17700	20.259	ug/l	92
11) Tert butyl alcohol	2.947	59	18946	88.097	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	14434	19.050	ug/l	97
13) Acrolein	2.233	56	17623	88.780	ug/l	99
14) Allyl chloride	2.666	41	24906	18.941	ug/l	97
15) Acrylonitrile	3.062	53	50781	105.532	ug/l	99
16) Acetone	2.373	43	46267	102.032	ug/l	93
17) Carbon Disulfide	2.514	76	34637	17.315	ug/l	100
18) Methyl Acetate	2.703	43	22278	18.327	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	53164	19.916	ug/l	99
20) Methylene Chloride	2.788	84	17829	20.017	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	15355	17.794	ug/l	93
22) Diisopropyl ether	3.757	45	52838	19.814	ug/l	95
23) Vinyl Acetate	3.721	43	242955	102.200	ug/l	99
24) 1,1-Dichloroethane	3.611	63	30698	19.762	ug/l	100
25) 2-Butanone	4.550	43	71553	100.947	ug/l	92
26) 2,2-Dichloropropane	4.471	77	23815	19.916	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	19117	19.419	ug/l	95
28) Bromochloromethane	4.891	49	14563	22.081	ug/l	91
29) Tetrahydrofuran	5.001	42	46297	100.256	ug/l	95
30) Chloroform	5.093	83	33298	19.826	ug/l	96
31) Cyclohexane	5.471	56	24602	18.681	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	27666	19.581	ug/l	98
36) 1,1-Dichloropropene	5.690	75	23124	19.585	ug/l	98
37) Ethyl Acetate	4.708	43	26211	19.951	ug/l	97
38) Carbon Tetrachloride	5.678	117	21271	18.948	ug/l	97
39) Methylcyclohexane	7.373	83	26881	19.591	ug/l	94
40) Benzene	6.037	78	66309	20.083	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	14306	20.542	ug/l	91
42) 1,2-Dichloroethane	6.086	62	25463	19.730	ug/l	97
43) Isopropyl Acetate	6.336	43	41874	20.418	ug/l	99
44) Trichloroethene	7.129	130	18074	19.845	ug/l	100
45) 1,2-Dichloropropane	7.427	63	17856	20.778	ug/l	98
46) Dibromomethane	7.574	93	13392	21.159	ug/l	95
47) Bromodichloromethane	7.818	83	25393	20.822	ug/l	99
48) Methyl methacrylate	7.690	41	21012	20.024	ug/l	90
49) 1,4-Dioxane	7.659	88	9453	414.088	ug/l #	94
51) 4-Methyl-2-Pentanone	8.568	43	146913	104.925	ug/l	100
52) Toluene	8.714	92	42831	19.805	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	25569	18.725	ug/l	94
54) cis-1,3-Dichloropropene	8.366	75	27988	20.478	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	18756	20.334	ug/l	95
56) Ethyl methacrylate	9.116	69	27834	20.157	ug/l	96
57) 1,3-Dichloropropane	9.305	76	31322	20.804	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	71573	109.566	ug/l	97
59) 2-Hexanone	9.427	43	117532	105.873	ug/l	100
60) Dibromochloromethane	9.519	129	18961	20.176	ug/l	98
61) 1,2-Dibromoethane	9.610	107	20087	20.487	ug/l	96
64) Tetrachloroethene	9.275	164	16512	20.432	ug/l	91
65) Chlorobenzene	10.079	112	47228	19.623	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	16267	19.515	ug/l	94
67) Ethyl Benzene	10.189	91	86888	20.270	ug/l	99
68) m/p-Xylenes	10.299	106	65843	40.671	ug/l	99
69) o-Xylene	10.640	106	31610	20.093	ug/l	97
70) Styrene	10.653	104	52952	20.245	ug/l	97
71) Bromoform	10.799	173	13754	18.831	ug/l #	100
73) Isopropylbenzene	10.963	105	84941	20.090	ug/l	100
74) N-amyl acetate	10.842	43	37004	20.418	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	30509	20.085	ug/l	96
76) 1,2,3-Trichloropropane	11.238	75	25718m	21.156	ug/l	
77) Bromobenzene	11.195	156	21000	21.029	ug/l	93
78) n-propylbenzene	11.305	91	105198	20.551	ug/l	98
79) 2-Chlorotoluene	11.360	91	60742	19.651	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	73692	20.703	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	7423	19.480	ug/l	99
82) 4-Chlorotoluene	11.451	91	72436	19.779	ug/l	98
83) tert-Butylbenzene	11.713	119	70025	20.066	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	71570	19.874	ug/l	97
85) sec-Butylbenzene	11.890	105	91693	20.445	ug/l	99
86) p-Isopropyltoluene	12.006	119	74485	20.261	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	40401	20.419	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	41887	19.992	ug/l	99
89) n-Butylbenzene	12.329	91	70979	20.001	ug/l	99
90) Hexachloroethane	12.536	117	11785	20.323	ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	38784	20.248	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7102	20.257	ug/l	88
93) 1,2,4-Trichlorobenzene	13.585	180	25783	19.662	ug/l	97
94) Hexachlorobutadiene	13.725	225	10949	20.920	ug/l	96
95) Naphthalene	13.774	128	84864	20.490	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	25786	20.629	ug/l	97

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

