

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022124\
 Data File : VX040374.D
 Acq On : 21 Feb 2024 12:25
 Operator : JC/MD
 Sample : VX0221WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0221WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/22/2024
 Supervised By : Mahesh Dadoda 02/22/2024

Quant Time: Feb 22 01:05:40 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	5.544	168	73008	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	121915	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	113998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59995	55.237	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.480%			
35) Dibromofluoromethane	5.379	113	44571	52.351	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.700%			
50) Toluene-d8	8.647	98	156819	49.240	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.480%			
62) 4-Bromofluorobenzene	11.079	95	62753	48.313	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.620%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	16784	20.352	ug/l	98
3) Chloromethane	1.294	50	15768	18.541	ug/l	96
4) Vinyl Chloride	1.374	62	16917	18.824	ug/l	96
5) Bromomethane	1.605	94	11993	23.648	ug/l	96
6) Chloroethane	1.685	64	10538	18.592	ug/l	96
7) Trichlorofluoromethane	1.886	101	27866	19.308	ug/l	96
8) Diethyl Ether	2.130	74	10876	20.061	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	16057	20.741	ug/l	98
10) Methyl Iodide	2.453	142	18059	21.012	ug/l	96
11) Tert butyl alcohol	2.947	59	21800	103.042	ug/l #	91
12) 1,1-Dichloroethene	2.325	96	14409	19.331	ug/l	89
13) Acrolein	2.233	56	21344	109.302	ug/l	99
14) Allyl chloride	2.666	41	27581	21.322	ug/l	97
15) Acrylonitrile	3.056	53	53102	112.178	ug/l	98
16) Acetone	2.374	43	55050	123.406	ug/l	95
17) Carbon Disulfide	2.514	76	31225	15.868	ug/l	99
18) Methyl Acetate	2.697	43	25118	21.004	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	58516m	22.283	ug/l	
20) Methylene Chloride	2.788	84	18132	20.749	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	15970	18.812	ug/l	90
22) Diisopropyl ether	3.757	45	61111	23.295	ug/l	97
23) Vinyl Acetate	3.721	43	274795	117.503	ug/l	99
24) 1,1-Dichloroethane	3.605	63	33231	21.746	ug/l	99
25) 2-Butanone	4.550	43	77035	110.477	ug/l	97
26) 2,2-Dichloropropane	4.477	77	24486	20.815	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	20097	20.752	ug/l	96
28) Bromochloromethane	4.897	49	13382	20.626	ug/l #	95
29) Tetrahydrofuran	5.001	42	48724	107.254	ug/l	99
30) Chloroform	5.093	83	35008	21.189	ug/l	97
31) Cyclohexane	5.471	56	24781	19.128	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	27955	20.113	ug/l	96
36) 1,1-Dichloropropene	5.696	75	24111	20.216	ug/l	99
37) Ethyl Acetate	4.708	43	30686	23.123	ug/l	99
38) Carbon Tetrachloride	5.678	117	22963	20.250	ug/l	97
39) Methylcyclohexane	7.379	83	25200	18.182	ug/l	95
40) Benzene	6.038	78	68147	20.433	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	16184	23.005	ug/l	97
42) 1,2-Dichloroethane	6.086	62	29850	22.898	ug/l	98
43) Isopropyl Acetate	6.336	43	46919	22.649	ug/l	98
44) Trichloroethene	7.123	130	17834	19.385	ug/l	99
45) 1,2-Dichloropropane	7.428	63	19040	21.933	ug/l	98
46) Dibromomethane	7.574	93	13806	21.594	ug/l	99
47) Bromodichloromethane	7.818	83	26401	21.431	ug/l	96
48) Methyl methacrylate	7.690	41	23593	22.257	ug/l	97
49) 1,4-Dioxane	7.653	88	8982	389.505	ug/l #	91
51) 4-Methyl-2-Pentanone	8.568	43	159155	112.527	ug/l	97
52) Toluene	8.714	92	42315	19.370	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	27038	19.514	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	29321	21.238	ug/l	93
55) 1,1,2-Trichloroethane	9.147	97	19496	20.924	ug/l	90
56) Ethyl methacrylate	9.116	69	29013	20.800	ug/l	97
57) 1,3-Dichloropropane	9.305	76	33458	22.000	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	69336	105.076	ug/l	94
59) 2-Hexanone	9.427	43	122232	109.001	ug/l	98
60) Dibromochloromethane	9.519	129	18906	19.916	ug/l	99
61) 1,2-Dibromoethane	9.610	107	19745	19.936	ug/l	99
64) Tetrachloroethene	9.269	164	15012	18.792	ug/l	95
65) Chlorobenzene	10.079	112	47737	20.064	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.159	131	17098	20.750	ug/l	96
67) Ethyl Benzene	10.189	91	86476	20.408	ug/l	99
68) m/p-Xylenes	10.299	106	62669	39.160	ug/l	94
69) o-Xylene	10.640	106	31256	20.098	ug/l	94
70) Styrene	10.653	104	52345	20.245	ug/l	97
71) Bromoform	10.799	173	13372	18.553	ug/l #	98
73) Isopropylbenzene	10.957	105	85588	20.582	ug/l	99
74) N-amyl acetate	10.842	43	39933	22.403	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.207	83	32295	21.617	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	26459m	22.131	ug/l	
77) Bromobenzene	11.195	156	20454	20.826	ug/l	98
78) n-propylbenzene	11.305	91	104737	20.804	ug/l	97
79) 2-Chlorotoluene	11.360	91	62560	20.578	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	72709	20.769	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	7547	20.017	ug/l	98
82) 4-Chlorotoluene	11.451	91	73074	20.287	ug/l	99
83) tert-Butylbenzene	11.713	119	69637	20.289	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	72307	20.415	ug/l	98
85) sec-Butylbenzene	11.890	105	91532	20.751	ug/l	98
86) p-Isopropyltoluene	12.006	119	72892	20.160	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	39496	20.296	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	40902	19.849	ug/l	98
89) n-Butylbenzene	12.329	91	69481	19.907	ug/l	97
90) Hexachloroethane	12.536	117	11331	19.867	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	38552	20.464	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7034	20.399	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	25860	20.051	ug/l	96
94) Hexachlorobutadiene	13.725	225	9641	18.730	ug/l	96
95) Naphthalene	13.774	128	83724	20.554	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	24922	20.272	ug/l	99

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

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