

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022824\
 Data File : VX040505.D
 Acq On : 28 Feb 2024 12:35
 Operator : JC/MD
 Sample : VX0228WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0228WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/29/2024
 Supervised By : Mahesh Dadoda 02/29/2024

Quant Time: Feb 29 03:47:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022624W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 27 05:01:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	74785	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	123243	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	115742	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61485	49.156	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 98.320%			
35) Dibromofluoromethane	5.385	113	43108	50.300	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.600%			
50) Toluene-d8	8.647	98	151794	48.794	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.580%			
62) 4-Bromofluorobenzene	11.079	95	60556	51.066	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.140%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	18421	19.793	ug/l	95
3) Chloromethane	1.295	50	16748	18.143	ug/l	99
4) Vinyl Chloride	1.374	62	18453	18.485	ug/l	100
5) Bromomethane	1.605	94	13205	23.804	ug/l	97
6) Chloroethane	1.685	64	11526	18.245	ug/l	99
7) Trichlorofluoromethane	1.886	101	32437	20.574	ug/l	98
8) Diethyl Ether	2.136	74	11092	20.127	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	17184	20.248	ug/l	98
10) Methyl Iodide	2.453	142	17136	21.611	ug/l	97
11) Tert butyl alcohol	2.959	59	26908	127.969	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	15646	18.363	ug/l	97
13) Acrolein	2.233	56	20444	151.652	ug/l	99
14) Allyl chloride	2.666	41	28362	19.027	ug/l	94
15) Acrylonitrile	3.062	53	56884	107.849	ug/l	98
16) Acetone	2.380	43	54476	133.548	ug/l	99
17) Carbon Disulfide	2.514	76	38857	16.468	ug/l	99
18) Methyl Acetate	2.703	43	28452	22.624	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	57856	19.907	ug/l	99
20) Methylene Chloride	2.788	84	18545	18.998	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	16498	18.156	ug/l	95
22) Diisopropyl ether	3.757	45	58299	19.462	ug/l	90
23) Vinyl Acetate	3.721	43	274623	100.081	ug/l	99
24) 1,1-Dichloroethane	3.611	63	32774	18.762	ug/l	99
25) 2-Butanone	4.556	43	85364	120.111	ug/l	98
26) 2,2-Dichloropropane	4.471	77	26106	18.770	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	19704	18.535	ug/l	99
28) Bromochloromethane	4.898	49	13625	18.646	ug/l	99
29) Tetrahydrofuran	5.001	42	55786	112.517	ug/l	99
30) Chloroform	5.093	83	36249	19.550	ug/l	98
31) Cyclohexane	5.464	56	26468	18.677	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	31197	19.713	ug/l	98
36) 1,1-Dichloropropene	5.690	75	25875	19.596	ug/l	98
37) Ethyl Acetate	4.715	43	31672	21.917	ug/l	99
38) Carbon Tetrachloride	5.672	117	25261	19.804	ug/l	97
39) Methylcyclohexane	7.379	83	28122	19.727	ug/l	98
40) Benzene	6.038	78	71150	19.903	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	17542	21.732	ug/l	97
42) 1,2-Dichloroethane	6.080	62	32306	21.834	ug/l	98
43) Isopropyl Acetate	6.336	43	47848	21.102	ug/l	99
44) Trichloroethene	7.129	130	18819	19.574	ug/l	90
45) 1,2-Dichloropropane	7.434	63	18493	19.329	ug/l	97
46) Dibromomethane	7.580	93	14071	20.004	ug/l	96
47) Bromodichloromethane	7.818	83	28350	20.470	ug/l	95
48) Methyl methacrylate	7.696	41	25176	22.214	ug/l	96
49) 1,4-Dioxane	7.659	88	11182	521.573	ug/l #	94
51) 4-Methyl-2-Pentanone	8.568	43	169195	112.859	ug/l	98
52) Toluene	8.720	92	44290	20.187	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	28109	19.999	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	30055	19.894	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	19344	21.246	ug/l	90
56) Ethyl methacrylate	9.116	69	28897	20.527	ug/l #	93
57) 1,3-Dichloropropane	9.311	76	33087	20.864	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	78049	105.741	ug/l	95
59) 2-Hexanone	9.427	43	134823	116.971	ug/l	97
60) Dibromochloromethane	9.519	129	19889	20.111	ug/l	97
61) 1,2-Dibromoethane	9.610	107	21037	21.174	ug/l	100
64) Tetrachloroethene	9.275	164	16666	20.510	ug/l	95
65) Chlorobenzene	10.080	112	48368	19.647	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	17341	19.987	ug/l	100
67) Ethyl Benzene	10.195	91	88848	19.716	ug/l	98
68) m/p-Xylenes	10.299	106	66117	39.289	ug/l	96
69) o-Xylene	10.640	106	32877	20.427	ug/l	96
70) Styrene	10.653	104	53158	19.812	ug/l	98
71) Bromoform	10.799	173	14230	20.037	ug/l #	100
73) Isopropylbenzene	10.964	105	87558	19.704	ug/l	98
74) N-amyl acetate	10.842	43	40423	19.587	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	33409	20.789	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	28259m	21.280	ug/l	
77) Bromobenzene	11.195	156	20050	19.082	ug/l	98
78) n-propylbenzene	11.305	91	108259	19.641	ug/l	98
79) 2-Chlorotoluene	11.366	91	64014	19.293	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	75070	19.864	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	8136	20.341	ug/l	99
82) 4-Chlorotoluene	11.457	91	76068	19.825	ug/l	100
83) tert-Butylbenzene	11.713	119	71211	19.987	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	74191	19.787	ug/l	99
85) sec-Butylbenzene	11.890	105	93090	19.888	ug/l	99
86) p-Isopropyltoluene	12.006	119	75364	19.534	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	40278	19.232	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	40677	19.079	ug/l	99
89) n-Butylbenzene	12.335	91	74520	19.632	ug/l	94
90) Hexachloroethane	12.536	117	12029	18.733	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	39364	19.723	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8279	22.098	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	26506	20.350	ug/l	94
94) Hexachlorobutadiene	13.725	225	10291	19.332	ug/l	96
95) Naphthalene	13.774	128	85117	20.449	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	25498	20.594	ug/l	99

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

