

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010424\
 Data File : VX039623.D
 Acq On : 04 Jan 2024 13:01
 Operator : JC/MD
 Sample : VX0104WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0104WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/05/2024
 Supervised By : Mahesh Dadoda 01/05/2024

Quant Time: Jan 05 00:42:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	105446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	192565	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	178487	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86922	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87543	45.319	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.640%		
35) Dibromofluoromethane	5.385	113	63735	47.909	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.820%		
50) Toluene-d8	8.647	98	235046	47.591	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.180%		
62) 4-Bromofluorobenzene	11.079	95	92780	45.530	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.060%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	23401	15.793	ug/l	99
3) Chloromethane	1.294	50	27242	16.584	ug/l	100
4) Vinyl Chloride	1.374	62	25852	16.922	ug/l	99
5) Bromomethane	1.605	94	17262	19.640	ug/l	98
6) Chloroethane	1.691	64	15912	17.284	ug/l	96
7) Trichlorofluoromethane	1.892	101	37085	16.578	ug/l	96
8) Diethyl Ether	2.130	74	14894	19.237	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	23644	17.320	ug/l	95
10) Methyl Iodide	2.453	142	23965	16.984	ug/l	92
11) Tert butyl alcohol	2.946	59	38955	80.306	ug/l #	94
12) 1,1-Dichloroethene	2.319	96	22182	16.358	ug/l	97
13) Acrolein	2.233	56	31706	81.932	ug/l	100
14) Allyl chloride	2.666	41	45829	16.684	ug/l	97
15) Acrylonitrile	3.056	53	90867	93.586	ug/l	99
16) Acetone	2.373	43	90564	63.084	ug/l	92
17) Carbon Disulfide	2.514	76	56681	14.284	ug/l	99
18) Methyl Acetate	2.696	43	83252	19.926	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	88571	18.061	ug/l	100
20) Methylene Chloride	2.788	84	28439	17.661	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	24131	16.354	ug/l #	89
22) Diisopropyl ether	3.757	45	94615	18.922	ug/l	90
23) Vinyl Acetate	3.721	43	336748	90.461	ug/l	99
24) 1,1-Dichloroethane	3.611	63	48362	17.110	ug/l	98
25) 2-Butanone	4.550	43	134119	80.460	ug/l	98
26) 2,2-Dichloropropane	4.471	77	38959	15.788	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	29285	17.982	ug/l	99
28) Bromochloromethane	4.891	49	29973	21.733	ug/l	92
29) Tetrahydrofuran	4.995	42	84141	91.404	ug/l	99
30) Chloroform	5.092	83	48791	17.273	ug/l	98
31) Cyclohexane	5.470	56	40915	16.399	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	39869	16.259	ug/l	98
36) 1,1-Dichloropropene	5.690	75	36214	17.250	ug/l	99
37) Ethyl Acetate	4.708	43	46864	18.069	ug/l	98
38) Carbon Tetrachloride	5.672	117	31792	15.869	ug/l	92
39) Methylcyclohexane	7.379	83	42821	16.981	ug/l	97
40) Benzene	6.037	78	105465	17.760	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	25015	18.077	ug/l	94
42) 1,2-Dichloroethane	6.086	62	41662	17.332	ug/l	99
43) Isopropyl Acetate	6.336	43	77264	18.320	ug/l	99
44) Trichloroethene	7.123	130	24949	16.649	ug/l	89
45) 1,2-Dichloropropane	7.427	63	29152	18.291	ug/l	98
46) Dibromomethane	7.580	93	19828	17.698	ug/l	98
47) Bromodichloromethane	7.818	83	37157	17.346	ug/l	99
48) Methyl methacrylate	7.689	41	44491	18.044	ug/l	95
49) 1,4-Dioxane	7.653	88	11886	357.626	ug/l #	98
51) 4-Methyl-2-Pentanone	8.567	43	259636	96.620	ug/l	99
52) Toluene	8.714	92	63710	17.775	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	39105	16.582	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	43887	17.295	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	27744	18.541	ug/l	92
56) Ethyl methacrylate	9.116	69	34450	18.859	ug/l	98
57) 1,3-Dichloropropane	9.305	76	48280	18.664	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	120875	112.693	ug/l	94
59) 2-Hexanone	9.427	43	205352	88.546	ug/l	99
60) Dibromochloromethane	9.518	129	26339	17.405	ug/l	99
61) 1,2-Dibromoethane	9.610	107	29409	18.411	ug/l	99
64) Tetrachloroethene	9.275	164	19384	16.619	ug/l	96
65) Chlorobenzene	10.079	112	68453	17.571	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	23514	17.087	ug/l	97
67) Ethyl Benzene	10.189	91	125898	17.361	ug/l	98
68) m/p-Xylenes	10.299	106	91450	35.171	ug/l	95
69) o-Xylene	10.640	106	44988	17.895	ug/l	94
70) Styrene	10.652	104	65252	17.755	ug/l	97
71) Bromoform	10.799	173	16980	16.600	ug/l #	98
73) Isopropylbenzene	10.963	105	120496	17.967	ug/l	99
74) N-amyl acetate	10.841	43	61916	18.247	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.207	83	47981	19.232	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	39374m	17.509	ug/l	
77) Bromobenzene	11.195	156	26880	18.125	ug/l	92
78) n-propylbenzene	11.305	91	148932	18.024	ug/l	97
79) 2-Chlorotoluene	11.360	91	87063	17.419	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	104941	18.368	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	11796	14.797	ug/l	99
82) 4-Chlorotoluene	11.451	91	101689	17.322	ug/l	100
83) tert-Butylbenzene	11.713	119	97275	17.891	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	105735	18.047	ug/l	100
85) sec-Butylbenzene	11.890	105	126220	18.243	ug/l	97
86) p-Isopropyltoluene	12.006	119	106345	18.315	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	52033	17.859	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	52189	17.204	ug/l	97
89) n-Butylbenzene	12.335	91	103642	18.157	ug/l	95
90) Hexachloroethane	12.536	117	17082	16.286	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	49775	17.855	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	10673	16.242	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	31947	17.501	ug/l	99
94) Hexachlorobutadiene	13.725	225	12821	18.638	ug/l	97
95) Naphthalene	13.774	128	119176	18.747	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	31984	18.150	ug/l	96

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

