

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011924\
 Data File : VX039856.D
 Acq On : 19 Jan 2024 22:24
 Operator : JC/MD
 Sample : VX0119WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0119WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/22/2024
 Supervised By : Mahesh Dadoda 01/22/2024

Quant Time: Jan 20 03:26:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 03:51:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	78852	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	142339	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	128198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	63707	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66972	50.702	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.400%			
35) Dibromofluoromethane	5.385	113	50600	52.779	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.560%			
50) Toluene-d8	8.647	98	178119	49.261	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.520%			
62) 4-Bromofluorobenzene	11.079	95	69912	49.444	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.880%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	16050	15.732	ug/l	98
3) Chloromethane	1.294	50	20268	17.396	ug/l	98
4) Vinyl Chloride	1.374	62	19689	17.906	ug/l	94
5) Bromomethane	1.605	94	13867	22.103	ug/l	100
6) Chloroethane	1.685	64	12401	19.839	ug/l	100
7) Trichlorofluoromethane	1.892	101	30223	19.054	ug/l	99
8) Diethyl Ether	2.130	74	12155	20.736	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	16771	17.054	ug/l	98
10) Methyl Iodide	2.453	142	21439	20.666	ug/l	94
11) Tert butyl alcohol	2.947	59	32868	95.591	ug/l #	90
12) 1,1-Dichloroethene	2.325	96	18031	18.999	ug/l	88
13) Acrolein	2.233	56	16403	66.344	ug/l	100
14) Allyl chloride	2.666	41	35543	19.028	ug/l	98
15) Acrylonitrile	3.056	53	74273	104.573	ug/l	99
16) Acetone	2.373	43	68417	92.100	ug/l	94
17) Carbon Disulfide	2.514	76	48698	17.853	ug/l	97
18) Methyl Acetate	2.697	43	34664	22.304	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	68093	20.210	ug/l	97
20) Methylene Chloride	2.788	84	22097	19.665	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	19971	19.996	ug/l	97
22) Diisopropyl ether	3.757	45	72256	20.270	ug/l	99
23) Vinyl Acetate	3.721	43	335290	101.189	ug/l	99
24) 1,1-Dichloroethane	3.611	63	38765	19.768	ug/l	98
25) 2-Butanone	4.550	43	108044	101.209	ug/l	100
26) 2,2-Dichloropropane	4.471	77	26730	16.983	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	23904	20.868	ug/l	95
28) Bromochloromethane	4.897	49	19264	21.671	ug/l	95
29) Tetrahydrofuran	5.001	42	71269	103.722	ug/l	99
30) Chloroform	5.086	83	40285	20.810	ug/l	98
31) Cyclohexane	5.470	56	28016	16.071	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	32773	19.774	ug/l	98
36) 1,1-Dichloropropene	5.690	75	27251	18.261	ug/l	99
37) Ethyl Acetate	4.715	43	38767	19.473	ug/l	99
38) Carbon Tetrachloride	5.678	117	25624	18.748	ug/l	98
39) Methylcyclohexane	7.379	83	27747	15.484	ug/l	95
40) Benzene	6.037	78	84603	20.022	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	20291	20.843	ug/l	95
42) 1,2-Dichloroethane	6.086	62	34318	21.362	ug/l	100
43) Isopropyl Acetate	6.336	43	59363	20.327	ug/l	99
44) Trichloroethene	7.123	130	20961	20.240	ug/l	97
45) 1,2-Dichloropropane	7.427	63	23189	20.457	ug/l	99
46) Dibromomethane	7.580	93	16462	21.026	ug/l	98
47) Bromodichloromethane	7.818	83	30716	21.183	ug/l #	96
48) Methyl methacrylate	7.690	41	28546	19.886	ug/l	94
49) 1,4-Dioxane	7.653	88	11759	423.347	ug/l #	96
51) 4-Methyl-2-Pentanone	8.568	43	209028	103.925	ug/l	99
52) Toluene	8.714	92	49722	19.700	ug/l	92
53) t-1,3-Dichloropropene	8.976	75	30593	19.883	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	33968	20.077	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	22400	20.845	ug/l	95
56) Ethyl methacrylate	9.116	69	35015	20.133	ug/l	95
57) 1,3-Dichloropropane	9.305	76	38302	21.033	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	82785	100.704	ug/l	95
59) 2-Hexanone	9.427	43	167766	105.390	ug/l	99
60) Dibromochloromethane	9.519	129	21910	21.621	ug/l	100
61) 1,2-Dibromoethane	9.610	107	24299	21.836	ug/l	98
64) Tetrachloroethene	9.269	164	16485	19.774	ug/l	98
65) Chlorobenzene	10.079	112	54333	20.349	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	19815	21.794	ug/l	99
67) Ethyl Benzene	10.195	91	96148	19.396	ug/l	100
68) m/p-Xylenes	10.299	106	70595	38.723	ug/l	94
69) o-Xylene	10.640	106	34979	19.374	ug/l	93
70) Styrene	10.652	104	58628	19.879	ug/l	98
71) Bromoform	10.799	173	14604	21.392	ug/l #	99
73) Isopropylbenzene	10.963	105	89948	17.734	ug/l	98
74) N-amyl acetate	10.841	43	49695	18.796	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	38554	19.906	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	32067m	19.415	ug/l	
77) Bromobenzene	11.195	156	22436	19.867	ug/l	97
78) n-propylbenzene	11.305	91	108201	17.625	ug/l	97
79) 2-Chlorotoluene	11.366	91	68180	17.969	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	78347	18.187	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	8660	17.401	ug/l	97
82) 4-Chlorotoluene	11.451	91	78809	18.312	ug/l	100
83) tert-Butylbenzene	11.713	119	73017	17.754	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	78026	18.155	ug/l	100
85) sec-Butylbenzene	11.890	105	91821	17.199	ug/l	100
86) p-Isopropyltoluene	12.006	119	76327	17.888	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	42094	19.445	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	42846	19.163	ug/l	99
89) n-Butylbenzene	12.329	91	68985	16.739	ug/l	97
90) Hexachloroethane	12.536	117	11966	16.623	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	41519	19.400	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8854	18.656	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	25162	19.239	ug/l	99
94) Hexachlorobutadiene	13.725	225	9394	17.279	ug/l	97
95) Naphthalene	13.774	128	92948	19.305	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	25324	19.185	ug/l	99

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

