

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120922\
 Data File : VX033341.D
 Acq On : 09 Dec 2022 12:42
 Operator : JC/MD
 Sample : VX1209WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/09/2022
 Supervised By : Mahesh Dadoda 12/12/2022

Quant Time: Dec 09 14:42:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	167092	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	261560	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	234563	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	118104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	48119	44.889	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.780%		
35) Dibromofluoromethane	5.385	113	55380	47.074	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.140%		
50) Toluene-d8	8.647	98	119322	48.484	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.960%		
62) 4-Bromofluorobenzene	11.079	95	96470	51.266	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.540%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	23049	19.747	ug/l	94
3) Chloromethane	1.294	50	23762	17.607	ug/l	96
4) Vinyl Chloride	1.374	62	27123	17.601	ug/l	96
5) Bromomethane	1.618	94	19788	17.498	ug/l	98
6) Chloroethane	1.691	64	19435	16.628	ug/l	98
7) Trichlorofluoromethane	1.892	101	51266	17.721	ug/l	99
8) Diethyl Ether	2.130	74	15451	14.787	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	29240	19.053	ug/l	97
10) Methyl Iodide	2.453	142	27392	16.297	ug/l	97
11) Tert butyl alcohol	2.995	59	29558	90.190	ug/l	96
12) 1,1-Dichloroethene	2.319	96	27747	18.317	ug/l	99
13) Acrolein	2.239	56	31556	88.780	ug/l	100
14) Allyl chloride	2.666	41	42571	17.598	ug/l	95
15) Acrylonitrile	3.068	53	68599	84.499	ug/l	100
16) Acetone	2.392	43	72683	91.631	ug/l	100
17) Carbon Disulfide	2.514	76	64161	16.503	ug/l	99
18) Methyl Acetate	2.709	43	39559	17.228	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	94174	17.948	ug/l	98
20) Methylene Chloride	2.794	84	31494	17.803	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	30160	18.201	ug/l	98
22) Diisopropyl ether	3.757	45	91284	17.612	ug/l #	85
23) Vinyl Acetate	3.721	43	345906	85.985	ug/l	98
24) 1,1-Dichloroethane	3.611	63	54003	17.733	ug/l	99
25) 2-Butanone	4.568	43	99624	87.497	ug/l	100
26) 2,2-Dichloropropane	4.477	77	42028	18.767	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	35454	17.903	ug/l	97
28) Bromochloromethane	4.897	49	23868	18.723	ug/l	92
29) Tetrahydrofuran	5.013	42	60692	82.272	ug/l	97
30) Chloroform	5.099	83	61271	18.123	ug/l	98
31) Cyclohexane	5.477	56	47032	18.462	ug/l	90
32) 1,1,1-Trichloroethane	5.385	97	53744	18.476	ug/l	99
36) 1,1-Dichloropropene	5.690	75	43340	18.895	ug/l	99
37) Ethyl Acetate	4.715	43	36354	16.767	ug/l	99
38) Carbon Tetrachloride	5.684	117	47132	18.340	ug/l	95
39) Methylcyclohexane	7.379	83	49861	19.421	ug/l	98
40) Benzene	6.037	78	125093	18.705	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	21541	18.030	ug/l	96
42) 1,2-Dichloroethane	6.086	62	47869	18.025	ug/l	98
43) Isopropyl Acetate	6.342	43	60252	17.271	ug/l	97
44) Trichloroethene	7.129	130	34667	18.801	ug/l	97
45) 1,2-Dichloropropane	7.434	63	31197	18.241	ug/l	98
46) Dibromomethane	7.586	93	23685	18.179	ug/l	98
47) Bromodichloromethane	7.824	83	45349	17.856	ug/l	99
48) Methyl methacrylate	7.696	41	31042	17.241	ug/l	93
49) 1,4-Dioxane	7.708	88	14838	361.403	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	194734	88.269	ug/l	98
52) Toluene	8.720	92	81383	18.822	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	44240	17.908	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	49026	18.140	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	33245	18.291	ug/l	99
56) Ethyl methacrylate	9.116	69	46714	18.254	ug/l	93
57) 1,3-Dichloropropane	9.305	76	53360	18.275	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	99413	84.900	ug/l	98
59) 2-Hexanone	9.433	43	148692	91.459	ug/l	96
60) Dibromochloromethane	9.519	129	35756	17.855	ug/l	99
61) 1,2-Dibromoethane	9.610	107	35864	18.550	ug/l	98
64) Tetrachloroethene	9.275	164	31160	19.427	ug/l	92
65) Chlorobenzene	10.079	112	89496	18.841	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	32573	18.146	ug/l	97
67) Ethyl Benzene	10.195	91	160138	19.352	ug/l	100
68) m/p-Xylenes	10.299	106	124403	38.640	ug/l	99
69) o-Xylene	10.640	106	61882	19.445	ug/l	97
70) Styrene	10.659	104	102063	19.582	ug/l	98
71) Bromoform	10.799	173	25202	17.737	ug/l #	99
73) Isopropylbenzene	10.963	105	162182	18.946	ug/l	100
74) N-amyl acetate	10.841	43	52290	17.904	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	48828	17.980	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	43024m	17.905	ug/l	
77) Bromobenzene	11.201	156	40018	18.513	ug/l	98
78) n-propylbenzene	11.305	91	181140	18.951	ug/l	99
79) 2-Chlorotoluene	11.366	91	111362	18.852	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	136111	19.102	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	12021	15.562	ug/l	96
82) 4-Chlorotoluene	11.457	91	128138	18.655	ug/l	99
83) tert-Butylbenzene	11.713	119	135466	19.065	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	136848	19.240	ug/l	99
85) sec-Butylbenzene	11.890	105	161362	19.464	ug/l	100
86) p-Isopropyltoluene	12.012	119	136938	19.159	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	73297	18.719	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	74347	18.588	ug/l	99
89) n-Butylbenzene	12.335	91	111735	19.086	ug/l	99
90) Hexachloroethane	12.536	117	21195	17.445	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	72675	18.564	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9688	16.516	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	44044	18.629	ug/l	97
94) Hexachlorobutadiene	13.725	225	18247	19.273	ug/l	99
95) Naphthalene	13.774	128	144182	18.282	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	43610	18.212	ug/l	100

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

