

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121922\
 Data File : VX033475.D
 Acq On : 19 Dec 2022 11:41
 Operator : JC/MD
 Sample : VX1219WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1219WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2022
 Supervised By : Mahesh Dadoda 12/20/2022

Quant Time: Dec 20 04:59:40 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	5.550	168	132841	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	205837	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	189040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98144	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	36521	42.854	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	85.700%
35) Dibromofluoromethane	5.385	113	41688	45.028	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.060%
50) Toluene-d8	8.647	98	87913	45.392	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.780%#
62) 4-Bromofluorobenzene	11.079	95	72923	49.243	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	17021	18.342	ug/l	93
3) Chloromethane	1.294	50	17475	16.287	ug/l	98
4) Vinyl Chloride	1.374	62	20537	16.764	ug/l	99
5) Bromomethane	1.618	94	11623	12.928	ug/l	99
6) Chloroethane	1.691	64	13330	14.345	ug/l	97
7) Trichlorofluoromethane	1.892	101	32894	14.302	ug/l	97
8) Diethyl Ether	2.136	74	11185	13.464	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	18374	15.060	ug/l	97
10) Methyl Iodide	2.453	142	19029	14.241	ug/l	94
11) Tert butyl alcohol	3.008	59	20223	77.616	ug/l #	87
12) 1,1-Dichloroethene	2.325	96	16506	13.706	ug/l	89
13) Acrolein	2.239	56	18850	66.706	ug/l	100
14) Allyl chloride	2.666	41	24111	12.537	ug/l	95
15) Acrylonitrile	3.068	53	59959	92.899	ug/l	99
16) Acetone	2.392	43	40922	64.892	ug/l	95
17) Carbon Disulfide	2.514	76	38214	12.363	ug/l	99
18) Methyl Acetate	2.709	43	24436	13.385	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	82555	19.790	ug/l	99
20) Methylene Chloride	2.788	84	18711	13.304	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	25110	19.060	ug/l	97
22) Diisopropyl ether	3.757	45	79283	19.241	ug/l	92
23) Vinyl Acetate	3.721	43	301619	94.308	ug/l	98
24) 1,1-Dichloroethane	3.611	63	45358	18.735	ug/l	100
25) 2-Butanone	4.562	43	85652	94.622	ug/l	98
26) 2,2-Dichloropropane	4.477	77	36503	20.502	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	30068	19.098	ug/l	98
28) Bromochloromethane	4.897	49	19380	19.122	ug/l	97
29) Tetrahydrofuran	5.013	42	53402	91.054	ug/l	99
30) Chloroform	5.093	83	51958	19.331	ug/l	93
31) Cyclohexane	5.471	56	37117	18.326	ug/l #	87
32) 1,1,1-Trichloroethane	5.385	97	46251	20.000	ug/l	98
36) 1,1-Dichloropropene	5.696	75	35813	19.841	ug/l	99
37) Ethyl Acetate	4.715	43	32315	18.939	ug/l	99
38) Carbon Tetrachloride	5.678	117	40447	20.000	ug/l	97
39) Methylcyclohexane	7.379	83	41713	20.646	ug/l	100
40) Benzene	6.037	78	105261	20.001	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	18246	19.406	ug/l	98
42) 1,2-Dichloroethane	6.086	62	41596	19.904	ug/l	99
43) Isopropyl Acetate	6.336	43	53329	19.425	ug/l	99
44) Trichloroethene	7.123	130	29278	20.177	ug/l	97
45) 1,2-Dichloropropane	7.427	63	26808	19.918	ug/l	97
46) Dibromomethane	7.580	93	20723	20.211	ug/l	99
47) Bromodichloromethane	7.818	83	40358	20.193	ug/l	95
48) Methyl methacrylate	7.690	41	26756	18.883	ug/l	95
49) 1,4-Dioxane	7.714	88	13262	410.462	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	171043	98.519	ug/l	96
52) Toluene	8.720	92	69337	20.377	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	39529	19.994	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	44108	20.739	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	29587	20.685	ug/l	98
56) Ethyl methacrylate	9.116	69	40377	20.049	ug/l	92
57) 1,3-Dichloropropane	9.305	76	46083	20.055	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	85851	93.166	ug/l	98
59) 2-Hexanone	9.427	43	128763	100.642	ug/l	97
60) Dibromochloromethane	9.519	129	32313	20.504	ug/l	99
61) 1,2-Dibromoethane	9.610	107	30908	20.315	ug/l	99
64) Tetrachloroethene	9.275	164	26369	20.399	ug/l	99
65) Chlorobenzene	10.079	112	77722	20.303	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	29828	20.619	ug/l	99
67) Ethyl Benzene	10.195	91	137094	20.557	ug/l	98
68) m/p-Xylenes	10.299	106	109478	42.192	ug/l	97
69) o-Xylene	10.640	106	53031	20.677	ug/l	98
70) Styrene	10.659	104	88643	21.103	ug/l	98
71) Bromoform	10.799	173	24095	21.042	ug/l #	97
73) Isopropylbenzene	10.963	105	144260	20.280	ug/l	100
74) N-amyl acetate	10.841	43	45778	18.862	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	44496	19.717	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	39117m	19.590	ug/l	
77) Bromobenzene	11.195	156	35490	19.757	ug/l	97
78) n-propylbenzene	11.305	91	161305	20.308	ug/l	99
79) 2-Chlorotoluene	11.366	91	97518	19.866	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	119803	20.232	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	11104	17.299	ug/l	97
82) 4-Chlorotoluene	11.451	91	112644	19.735	ug/l	98
83) tert-Butylbenzene	11.713	119	120020	20.326	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	119795	20.267	ug/l	99
85) sec-Butylbenzene	11.890	105	143269	20.796	ug/l	100
86) p-Isopropyltoluene	12.012	119	121788	20.504	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	66299	20.375	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	67382	20.273	ug/l	99
89) n-Butylbenzene	12.335	91	98991	20.349	ug/l	98
90) Hexachloroethane	12.536	117	19121	18.939	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	64216	19.739	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8610	17.663	ug/l	90
93) 1,2,4-Trichlorobenzene	13.591	180	39238	19.971	ug/l	98
94) Hexachlorobutadiene	13.725	225	17577	22.341	ug/l	98
95) Naphthalene	13.774	128	130394	19.896	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	39053	19.626	ug/l	98

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

