

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091819\
 Data File : VY000066.D
 Acq On : 18 Sep 2019 17:26
 Operator : SY/MD
 Sample : MDL2
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 12:39:33 AM

Quant Time: Sep 19 05:31:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 05:25:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	103709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	203806	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	178893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	76305	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	64335	53.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.84%	
35) Dibromofluoromethane	7.72	113	60410	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
50) Toluene-d8	10.18	98	254740	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
62) 4-Bromofluorobenzene	12.48	95	87887	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.90	85	3433	4.237	ug/l	90
3) Chloromethane	2.11	50	7258	6.112	ug/l #	78
4) Vinyl Chloride	2.25	62	5799	5.011	ug/l	92
5) Bromomethane	2.64	94	4387	5.826	ug/l	84
6) Chloroethane	2.79	64	3672	4.734	ug/l #	84
7) Trichlorofluoromethane	3.12	101	6793	4.246	ug/l	97
8) Diethyl Ether	3.53	74	3936	5.745	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.90	101	5217	4.753	ug/l	97
10) Methyl Iodide	4.09	142	4723	4.137	ug/l #	94
11) Tert butyl alcohol	4.98	59	4723	33.389	ug/l #	77
12) 1,1-Dichloroethene	3.87	96	5023	4.964	ug/l #	68
13) Acrolein	3.73	56	2253	27.024	ug/l #	64
14) Allyl chloride	4.48	41	7199	4.655	ug/l	96
15) Acrylonitrile	5.18	53	10020	24.391	ug/l	95
16) Acetone	3.95	43	8110	29.192	ug/l	89
17) Carbon Disulfide	4.19	76	11226	5.698	ug/l #	87
18) Methyl Acetate	4.48	43	5380	5.797	ug/l #	89
19) Methyl tert-butyl Ether	5.22	73	13747	4.347	ug/l	93
20) Methylene Chloride	4.72	84	8203	6.277	ug/l #	87
21) trans-1,2-Dichloroethene	5.22	96	5565	4.947	ug/l #	87
22) Diisopropyl ether	6.12	45	15626	4.472	ug/l	91
23) Vinyl Acetate	6.06	43	50329	21.520	ug/l	100
24) 1,1-Dichloroethane	6.03	63	10093	4.880	ug/l	94
25) 2-Butanone	6.99	43	12391	24.625	ug/l	92
26) 2,2-Dichloropropane	6.98	77	10329	5.292	ug/l	89
27) cis-1,2-Dichloroethene	6.98	96	6527	4.583	ug/l	87
28) Bromochloromethane	7.33	49	4773	4.979	ug/l	84
29) Tetrahydrofuran	7.35	42	7852	25.993	ug/l	96
30) Chloroform	7.51	83	10169	4.764	ug/l	86
31) Cyclohexane	7.78	56	10133	6.015	ug/l	91
32) 1,1,1-Trichloroethane	7.70	97	7777	4.486	ug/l	97
36) 1,1-Dichloropropene	7.92	75	7942	5.212	ug/l	94
37) Ethyl Acetate	7.08	43	5780	5.690	ug/l	97
38) Carbon Tetrachloride	7.90	117	6464	4.494	ug/l #	70

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	10005	5.339	ug/l	96
40) Benzene	8.16	78	23626	4.694	ug/l	91
41) Methacrylonitrile	7.31	41	3134m	5.117	ug/l	
42) 1,2-Dichloroethane	8.23	62	5732	4.299	ug/l	95
43) Isopropyl Acetate	8.28	43	9158	4.610	ug/l #	90
44) Trichloroethene	8.95	130	5939	4.619	ug/l	88
45) 1,2-Dichloropropane	9.21	63	5672	4.350	ug/l	96
46) Dibromomethane	9.31	93	3334	4.681	ug/l	95
47) Bromodichloromethane	9.50	83	7537	4.361	ug/l	100
48) Methyl methacrylate	9.29	41	4337	4.964	ug/l	94
49) 1,4-Dioxane	9.30	88	1381	99.875	ug/l #	81
51) 4-Methyl-2-Pentanone	10.07	43	23426	21.598	ug/l	96
52) Toluene	10.24	92	15232	4.763	ug/l	93
53) t-1,3-Dichloropropene	10.47	75	7776	4.244	ug/l	92
54) cis-1,3-Dichloropropene	9.93	75	9398	4.441	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	4936	4.421	ug/l #	88
56) Ethyl methacrylate	10.51	69	6876	4.328	ug/l	99
57) 1,3-Dichloropropane	10.79	76	8390	4.473	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	18771	21.856	ug/l	97
59) 2-Hexanone	10.84	43	16903	21.844	ug/l	98
60) Dibromochloromethane	10.99	129	5157	4.409	ug/l	92
61) 1,2-Dibromoethane	11.09	107	4666	4.575	ug/l	97
64) Tetrachloroethene	10.71	164	5425	4.832	ug/l	91
65) Chlorobenzene	11.51	112	14835	4.192	ug/l #	79
66) 1,1,1,2-Tetrachloroethane	11.59	131	4987	4.168	ug/l	94
67) Ethyl Benzene	11.59	91	28271	4.477	ug/l	99
68) m/p-Xylenes	11.70	106	21050	8.760	ug/l	95
69) o-Xylene	12.02	106	10847	4.662	ug/l	93
70) Styrene	12.04	104	16707	4.090	ug/l	98
71) Bromoform	12.21	173	2649	3.824	ug/l #	91
73) Isopropylbenzene	12.33	105	26910	4.376	ug/l	97
74) N-amyl acetate	12.14	43	7585	4.330	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.58	83	6583	4.548	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	4135m	3.852	ug/l	
77) Bromobenzene	12.60	156	5758	4.484	ug/l	96
78) n-propylbenzene	12.66	91	33028	4.403	ug/l	98
79) 2-Chlorotoluene	12.75	91	18995	4.530	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	22598	4.436	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	2383	4.269	ug/l #	93
82) 4-Chlorotoluene	12.85	91	19181	4.423	ug/l	97
83) tert-Butylbenzene	13.07	119	18701	4.291	ug/l	95
84) 1,2,4-Trimethylbenzene	13.12	105	23437	4.667	ug/l	98
85) sec-Butylbenzene	13.25	105	27414	4.258	ug/l	98
86) p-Isopropyltoluene	13.37	119	23627	4.329	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	10606	4.164	ug/l	93
88) 1,4-Dichlorobenzene	13.44	146	11418	4.461	ug/l	93
89) n-Butylbenzene	13.69	91	24433	4.352	ug/l	99
90) Hexachloroethane	13.95	117	4665	4.350	ug/l	94
91) 1,2-Dichlorobenzene	13.74	146	10483	4.380	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.35	75	1259	4.885	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	5825	4.034	ug/l	96
94) Hexachlorobutadiene	15.10	225	2749	3.965	ug/l	88
95) Naphthalene	15.23	128	18492	4.511	ug/l	95
96) 1,2,3-Trichlorobenzene	15.42	180	5729	4.157	ug/l	96

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

