

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011020\
 Data File : VY001145.D
 Acq On : 10 Jan 2020 13:57
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/13/2020 12:38:42 PM

Quant Time: Jan 10 15:36:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 15:28:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	226060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	380318	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	336189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	159935	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	12439	6.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.58%	
35) Dibromofluoromethane	7.72	113	11216	5.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.34%	
50) Toluene-d8	10.18	98	46712	5.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.56%	
62) 4-Bromofluorobenzene	12.48	95	18017	5.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.60%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	7795	4.757	ug/l 97
3) Chloromethane	2.12	50	13347	9.779	ug/l 97
4) Vinyl Chloride	2.26	62	12188	8.706	ug/l 100
5) Bromomethane	2.65	94	7348	7.795	ug/l 87
6) Chloroethane	2.80	64	7740	8.454	ug/l 89
7) Trichlorofluoromethane	3.13	101	18514	5.724	ug/l 91
8) Diethyl Ether	3.54	74	6522	5.497	ug/l 86
9) 1,1,2-Trichlorotrifluoroet	3.91	101	11171	5.477	ug/l 95
10) Methyl Iodide	4.10	142	15284	4.941	ug/l 98
11) Tert butyl alcohol	4.96	59	7460	38.879	ug/l # 88
12) 1,1-Dichloroethene	3.88	96	11626	5.548	ug/l 97
13) Acrolein	3.74	56	5675	31.490	ug/l 90
14) Allyl chloride	4.49	41	19278	7.835	ug/l 98
15) Acrylonitrile	5.17	53	17230	33.186	ug/l 97
16) Acetone	3.96	43	15637	40.069	ug/l 94
17) Carbon Disulfide	4.20	76	35994	5.693	ug/l # 95
18) Methyl Acetate	4.48	43	10674	8.796	ug/l 100
19) Methyl tert-butyl Ether	5.23	73	31646	6.074	ug/l 97
20) Methylene Chloride	4.72	84	21910	8.903	ug/l 94
21) trans-1,2-Dichloroethene	5.23	96	13212	5.639	ug/l 96
22) Diisopropyl ether	6.13	45	39850	7.883	ug/l 92
23) Vinyl Acetate	6.07	43	122120	38.199	ug/l 95
24) 1,1-Dichloroethane	6.04	63	21921	6.631	ug/l 99
25) 2-Butanone	7.00	43	22917	35.941	ug/l 98
26) 2,2-Dichloropropane	6.99	77	22370	6.361	ug/l 96
27) cis-1,2-Dichloroethene	7.00	96	14678	5.317	ug/l 96
28) Bromochloromethane	7.35	49	8059	6.189	ug/l 98
29) Tetrahydrofuran	7.36	42	14884	34.515	ug/l 96
30) Chloroform	7.52	83	21892	5.512	ug/l 99
31) Cyclohexane	7.79	56	25952	6.742	ug/l # 75
32) 1,1,1-Trichloroethane	7.71	97	19494	5.325	ug/l 98
36) 1,1-Dichloropropene	7.92	75	17721	5.335	ug/l 99
37) Ethyl Acetate	7.08	43	10473	7.118	ug/l 96
38) Carbon Tetrachloride	7.91	117	16176	4.784	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.19	83	24112	5.255	ug/l	98
40) Benzene	8.17	78	52233	5.149	ug/l	100
41) Methacrylonitrile	7.32	41	5035m	6.903	ug/l	
42) 1,2-Dichloroethane	8.25	62	14577	5.852	ug/l	97
43) Isopropyl Acetate	8.28	43	20160	6.935	ug/l	99
44) Trichloroethene	8.94	130	13421	4.502	ug/l	100
45) 1,2-Dichloropropane	9.22	63	12639	5.499	ug/l	98
46) Dibromomethane	9.31	93	7171	5.335	ug/l	99
47) Bromodichloromethane	9.50	83	16967	5.543	ug/l	96
48) Methyl methacrylate	9.30	41	9118	7.199	ug/l	96
49) 1,4-Dioxane	9.31	88	1538	77.302	ug/l #	91
51) 4-Methyl-2-Pentanone	10.07	43	49961	35.659	ug/l	98
52) Toluene	10.24	92	33128	5.290	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	18969	5.862	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	21539	5.669	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	10600	5.495	ug/l	96
56) Ethyl methacrylate	10.51	69	15393	6.022	ug/l	100
57) 1,3-Dichloropropane	10.79	76	17571	5.763	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	33813	36.824	ug/l	100
59) 2-Hexanone	10.83	43	34895	37.226	ug/l	99
60) Dibromochloromethane	10.99	129	11816	5.371	ug/l	100
61) 1,2-Dibromoethane	11.09	107	10268	5.496	ug/l	98
64) Tetrachloroethene	10.72	164	11086	3.728	ug/l	92
65) Chlorobenzene	11.52	112	35516	5.032	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.59	131	12066	4.864	ug/l	97
67) Ethyl Benzene	11.59	91	64080	5.178	ug/l	98
68) m/p-Xylenes	11.70	106	48080	9.846	ug/l	98
69) o-Xylene	12.03	106	23387	5.045	ug/l	99
70) Styrene	12.04	104	39970	5.074	ug/l	99
71) Bromoform	12.20	173	7133	4.810	ug/l #	93
73) Isopropylbenzene	12.33	105	61210	5.099	ug/l	100
74) N-amyl acetate	12.14	43	18577	7.357	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	12907	5.874	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	10048m	6.088	ug/l	
77) Bromobenzene	12.61	156	13767	4.783	ug/l	97
78) n-propylbenzene	12.67	91	73403	5.150	ug/l	99
79) 2-Chlorotoluene	12.75	91	41943	5.275	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	50583	4.964	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	4909	5.809	ug/l #	92
82) 4-Chlorotoluene	12.85	91	45205	5.481	ug/l	100
83) tert-Butylbenzene	13.07	119	43668	5.064	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	51384	5.036	ug/l	99
85) sec-Butylbenzene	13.25	105	62186	5.127	ug/l	99
86) p-Isopropyltoluene	13.37	119	55125	5.063	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	27000	5.004	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	27505	5.053	ug/l	94
89) n-Butylbenzene	13.69	91	55559	5.362	ug/l	97
90) Hexachloroethane	13.95	117	10671	5.242	ug/l	96
91) 1,2-Dichlorobenzene	13.73	146	23827	4.807	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	2476	6.278	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	17342	5.108	ug/l	98
94) Hexachlorobutadiene	15.11	225	8773	5.109	ug/l	99
95) Naphthalene	15.23	128	38981	4.993	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	15078	4.981	ug/l	100

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

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