

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001635.D
 Acq On : 17 Feb 2020 10:03
 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
 2/19/2020 10:49:43 AM

Quant Time: Feb 17 12:23:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 11:55:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	200999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	352484	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	314032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	145413	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	11547	5.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.28%	
35) Dibromofluoromethane	7.74	113	10560	5.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.44%	
50) Toluene-d8	10.19	98	43919	5.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.40%	
62) 4-Bromofluorobenzene	12.49	95	15979	5.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.52%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	9059	4.574	ug/l 98
3) Chloromethane	2.13	50	14144	6.548	ug/l 91
4) Vinyl Chloride	2.26	62	13248	5.951	ug/l 95
5) Bromomethane	2.66	94	9375	6.722	ug/l 99
6) Chloroethane	2.81	64	8198	6.107	ug/l 96
7) Trichlorofluoromethane	3.15	101	17032	4.854	ug/l 93
8) Diethyl Ether	3.55	74	7141	5.866	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	3.93	101	10862	5.111	ug/l 98
10) Methyl Iodide	4.12	142	11040	4.084	ug/l 97
11) Tert butyl alcohol	4.98	59	10644	33.548	ug/l # 85
12) 1,1-Dichloroethene	3.90	96	10821	5.115	ug/l # 80
13) Acrolein	3.75	56	5680	28.981	ug/l 98
14) Allyl chloride	4.51	41	18362	5.493	ug/l 95
15) Acrylonitrile	5.20	53	16299	28.319	ug/l 96
16) Acetone	3.98	43	17052	26.915	ug/l 92
17) Carbon Disulfide	4.22	76	35696	5.246	ug/l 100
18) Methyl Acetate	4.50	43	8818	6.659	ug/l 98
19) Methyl tert-butyl Ether	5.26	73	30067	5.264	ug/l 97
20) Methylene Chloride	4.75	84	16259	6.163	ug/l # 89
21) trans-1,2-Dichloroethene	5.25	96	12422	5.250	ug/l 95
22) Diisopropyl ether	6.14	45	38746	5.815	ug/l 98
23) Vinyl Acetate	6.10	43	121052	28.213	ug/l 97
24) 1,1-Dichloroethane	6.05	63	20891	5.332	ug/l 98
25) 2-Butanone	7.02	43	23422	28.471	ug/l 98
26) 2,2-Dichloropropane	7.01	77	19404	5.258	ug/l 98
27) cis-1,2-Dichloroethene	7.02	96	13787	5.323	ug/l 99
28) Bromochloromethane	7.36	49	7646	5.530	ug/l 96
29) Tetrahydrofuran	7.38	42	14953	30.622	ug/l 99
30) Chloroform	7.54	83	21502	5.473	ug/l 95
31) Cyclohexane	7.81	56	25181	6.257	ug/l # 78
32) 1,1,1-Trichloroethane	7.72	97	16958	4.816	ug/l 97
36) 1,1-Dichloropropene	7.94	75	17030	5.254	ug/l 97
37) Ethyl Acetate	7.11	43	10224	6.203	ug/l # 93
38) Carbon Tetrachloride	7.92	117	14808	4.797	ug/l 86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	22615	5.306	ug/l #	93
40) Benzene	8.18	78	49703	5.347	ug/l	98
41) Methacrylonitrile	7.33	41	4414m	5.981	ug/l	
42) 1,2-Dichloroethane	8.26	62	13397	5.165	ug/l	100
43) Isopropyl Acetate	8.30	43	17815	5.479	ug/l	98
44) Trichloroethene	8.96	130	12705	5.135	ug/l	99
45) 1,2-Dichloropropane	9.24	63	12306	5.442	ug/l	100
46) Dibromomethane	9.32	93	6475	5.142	ug/l	98
47) Bromodichloromethane	9.51	83	15712	5.145	ug/l	97
48) Methyl methacrylate	9.31	41	8419	5.718	ug/l	98
49) 1,4-Dioxane	9.31	88	1847	108.909	ug/l	89
51) 4-Methyl-2-Pentanone	10.08	43	47237	29.168	ug/l	98
52) Toluene	10.25	92	30403	5.154	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	16208	4.828	ug/l	95
54) cis-1,3-Dichloropropene	9.94	75	19318	5.041	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	9062	4.983	ug/l	94
56) Ethyl methacrylate	10.52	69	13191	5.031	ug/l	97
57) 1,3-Dichloropropane	10.80	76	16639	5.173	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	30408	32.072	ug/l	100
59) 2-Hexanone	10.84	43	33272	27.834	ug/l	100
60) Dibromochloromethane	11.00	129	9988	4.712	ug/l	95
61) 1,2-Dibromoethane	11.10	107	8549	4.800	ug/l	99
64) Tetrachloroethene	10.73	164	10345	5.085	ug/l	94
65) Chlorobenzene	11.53	112	31605	5.134	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	10453	4.870	ug/l	99
67) Ethyl Benzene	11.60	91	58578	5.134	ug/l	100
68) m/p-Xylenes	11.71	106	43275	10.098	ug/l	99
69) o-Xylene	12.04	106	20849	5.155	ug/l	98
70) Styrene	12.05	104	35205	5.021	ug/l	99
71) Bromoform	12.22	173	5590	4.621	ug/l #	95
73) Isopropylbenzene	12.34	105	55511	5.033	ug/l	99
74) N-amyl acetate	12.16	43	17090	5.672	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.59	83	11287	5.210	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	9526m	6.112	ug/l	
77) Bromobenzene	12.62	156	12306	5.157	ug/l	95
78) n-propylbenzene	12.68	91	66288	4.990	ug/l	99
79) 2-Chlorotoluene	12.77	91	37522	4.978	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	45672	4.915	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	3923	4.713	ug/l	90
82) 4-Chlorotoluene	12.86	91	39705	4.996	ug/l	98
83) tert-Butylbenzene	13.08	119	37752	4.819	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	46872	5.090	ug/l	99
85) sec-Butylbenzene	13.27	105	57392	5.178	ug/l	99
86) p-Isopropyltoluene	13.38	119	49073	5.028	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	24276	5.273	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	24609	5.338	ug/l	96
89) n-Butylbenzene	13.70	91	50348	5.196	ug/l	99
90) Hexachloroethane	13.97	117	8982	4.803	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	22236	5.321	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	1901	4.831	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	15063	5.348	ug/l	99
94) Hexachlorobutadiene	15.12	225	7936	5.610	ug/l	96
95) Naphthalene	15.25	128	32720	4.897	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	13392	5.371	ug/l	99

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

