

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020420\
 Data File : VY001483.D
 Acq On : 04 Feb 2020 13:38
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 2/5/2020 12:23:38 PM

Quant Time: Feb 04 15:10:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 14:37:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	234661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	408603	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	358883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	170125	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	45498	18.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.36%	
35) Dibromofluoromethane	7.74	113	49515	20.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.54%	
50) Toluene-d8	10.19	98	164598	17.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.60%	
62) 4-Bromofluorobenzene	12.49	95	74602	20.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	47546	24.538	ug/l	97
3) Chloromethane	2.12	50	49862	18.151	ug/l	99
4) Vinyl Chloride	2.26	62	52952	18.525	ug/l	99
5) Bromomethane	2.65	94	31646	16.472	ug/l	95
6) Chloroethane	2.80	64	31602	17.435	ug/l	99
7) Trichlorofluoromethane	3.14	101	86286	22.668	ug/l	100
8) Diethyl Ether	3.55	74	29034	18.772	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.92	101	51926	21.645	ug/l	99
10) Methyl Iodide	4.11	142	65194	20.768	ug/l	100
11) Tert butyl alcohol	4.98	59	37051	97.964	ug/l #	92
12) 1,1-Dichloroethene	3.89	96	52495	20.977	ug/l	97
13) Acrolein	3.75	56	22921	104.573	ug/l	97
14) Allyl chloride	4.50	41	78167	17.997	ug/l	100
15) Acrylonitrile	5.19	53	65726	84.621	ug/l	99
16) Acetone	3.97	43	61037	83.401	ug/l	98
17) Carbon Disulfide	4.21	76	163799	20.741	ug/l	98
18) Methyl Acetate	4.50	43	29897	14.630	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	134881	18.809	ug/l	97
20) Methylene Chloride	4.74	84	62223	16.004	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	57324	19.903	ug/l	100
22) Diisopropyl ether	6.14	45	155642	17.004	ug/l	97
23) Vinyl Acetate	6.09	43	495534	83.929	ug/l	99
24) 1,1-Dichloroethane	6.05	63	94000	19.140	ug/l	99
25) 2-Butanone	7.01	43	85966	80.054	ug/l	97
26) 2,2-Dichloropropane	7.00	77	88878	20.106	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	61600	19.250	ug/l	99
28) Bromochloromethane	7.36	49	28640	14.454	ug/l	98
29) Tetrahydrofuran	7.37	42	53805	77.982	ug/l	99
30) Chloroform	7.53	83	94795	19.528	ug/l	99
31) Cyclohexane	7.80	56	94664	19.304	ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	87129	21.055	ug/l	98
36) 1,1-Dichloropropene	7.94	75	78721	20.332	ug/l	98
37) Ethyl Acetate	7.10	43	36721	16.223	ug/l	99
38) Carbon Tetrachloride	7.92	117	76020	21.745	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	102132	20.507	ug/l	98
40) Benzene	8.17	78	222827	19.380	ug/l	99
41) Methacrylonitrile	7.34	41	16641m	14.399	ug/l	
42) 1,2-Dichloroethane	8.25	62	61829	19.360	ug/l	100
43) Isopropyl Acetate	8.29	43	73546	16.706	ug/l	99
44) Trichloroethene	8.95	130	59610	20.018	ug/l	99
45) 1,2-Dichloropropane	9.23	63	54443	18.915	ug/l	97
46) Dibromomethane	9.32	93	29444	18.933	ug/l	98
47) Bromodichloromethane	9.50	83	72851	19.461	ug/l	99
48) Methyl methacrylate	9.30	41	32780	16.318	ug/l	99
49) 1,4-Dioxane	9.31	88	7832	362.680	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	180153	79.806	ug/l	99
52) Toluene	10.25	92	143347	19.681	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	79244	19.265	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	91429	19.282	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	42854	18.797	ug/l	99
56) Ethyl methacrylate	10.52	69	60280	17.640	ug/l	98
57) 1,3-Dichloropropane	10.80	76	75183	18.886	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	101121	82.762	ug/l	100
59) 2-Hexanone	10.84	43	129130	81.801	ug/l	100
60) Dibromochloromethane	10.99	129	49595	19.218	ug/l	99
61) 1,2-Dibromoethane	11.10	107	42374	19.553	ug/l	100
64) Tetrachloroethene	10.72	164	48914	21.028	ug/l	98
65) Chlorobenzene	11.52	112	148132	19.622	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	53292	20.683	ug/l	98
67) Ethyl Benzene	11.60	91	280312	20.169	ug/l	98
68) m/p-Xylenes	11.70	106	210551	40.591	ug/l	100
69) o-Xylene	12.03	106	99442	19.952	ug/l	99
70) Styrene	12.05	104	169496	19.451	ug/l	100
71) Bromoform	12.21	173	28799	18.904	ug/l	# 100
73) Isopropylbenzene	12.33	105	268641	19.976	ug/l	100
74) N-amyl acetate	12.14	43	67245	15.920	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	50450	17.989	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	40620m	20.175	ug/l	
77) Bromobenzene	12.61	156	57769	19.463	ug/l	98
78) n-propylbenzene	12.67	91	321855	19.946	ug/l	99
79) 2-Chlorotoluene	12.76	91	182841	19.810	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	229960	20.483	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	19054	17.939	ug/l	96
82) 4-Chlorotoluene	12.86	91	193913	19.742	ug/l	98
83) tert-Butylbenzene	13.08	119	191391	20.219	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	226597	20.125	ug/l	100
85) sec-Butylbenzene	13.25	105	271229	20.228	ug/l	100
86) p-Isopropyltoluene	13.37	119	244526	20.655	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	113129	19.885	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	112223	19.415	ug/l	99
89) n-Butylbenzene	13.70	91	241432	20.329	ug/l	100
90) Hexachloroethane	13.96	117	45288	20.183	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	101652	19.410	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8986	18.383	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	69065	19.566	ug/l	100
94) Hexachlorobutadiene	15.11	225	35695	20.649	ug/l	99
95) Naphthalene	15.24	128	156289	19.509	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	61259	19.870	ug/l	97

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

