

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042020\
 Data File : VY002419.D
 Acq On : 20 Apr 2020 12:50
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Quant Time: Apr 20 14:52:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042020S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 20 14:34:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	290758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	452072	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	403205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	203063	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	11157	3.66	ug/l	0.00
Spiked Amount			Recovery	=	7.32%	
35) Dibromofluoromethane	7.74	113	12611	4.78	ug/l	0.00
Spiked Amount			Recovery	=	9.56%	
50) Toluene-d8	10.19	98	52374	4.78	ug/l	0.00
Spiked Amount			Recovery	=	9.56%	
62) 4-Bromofluorobenzene	12.49	95	17855	4.96	ug/l	0.00
Spiked Amount			Recovery	=	9.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	11042	3.951	ug/l	96
3) Chloromethane	2.13	50	13463	3.847	ug/l	98
4) Vinyl Chloride	2.26	62	13160	3.516	ug/l	89
5) Bromomethane	2.66	94	10169	4.402	ug/l	99
6) Chloroethane	2.81	64	7957	3.693	ug/l	90
7) Trichlorofluoromethane	3.15	101	21632	4.384	ug/l	86
8) Diethyl Ether	3.54	74	7700	3.707	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.92	101	13970	4.185	ug/l	100
10) Methyl Iodide	4.12	142	14036	3.506	ug/l	99
11) Tert butyl alcohol	4.97	59	7153	17.583	ug/l #	86
12) 1,1-Dichloroethene	3.89	96	14142	4.153	ug/l	91
13) Acrolein	3.75	56	5290	13.339	ug/l	99
14) Allyl chloride	4.50	41	16679	3.151	ug/l	97
15) Acrylonitrile	5.20	53	17493	16.703	ug/l	97
16) Acetone	3.97	43	13303	16.493	ug/l	99
17) Carbon Disulfide	4.21	76	42997	3.846	ug/l	100
18) Methyl Acetate	4.51	43	7967	3.219	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	30842	3.507	ug/l	99
20) Methylene Chloride	4.74	84	18323	4.532	ug/l	96
21) trans-1,2-Dichloroethene	5.24	96	15439	4.061	ug/l	99
22) Diisopropyl ether	6.14	45	35181	3.310	ug/l	97
23) Vinyl Acetate	6.08	43	101512	14.945	ug/l	99
24) 1,1-Dichloroethane	6.04	63	22149	3.605	ug/l	97
25) 2-Butanone	7.01	43	19057	15.062	ug/l	96
26) 2,2-Dichloropropane	7.01	77	20293	3.911	ug/l	97
27) cis-1,2-Dichloroethene	7.00	96	16567	4.005	ug/l	97
28) Bromochloromethane	7.35	49	8529	3.284	ug/l	95
29) Tetrahydrofuran	7.37	42	12276	14.721	ug/l	99
30) Chloroform	7.53	83	23307	3.983	ug/l	89
31) Cyclohexane	7.80	56	26008	4.056	ug/l #	75
32) 1,1,1-Trichloroethane	7.72	97	19860	4.058	ug/l	98
36) 1,1-Dichloropropene	7.93	75	19124	4.413	ug/l	97
37) Ethyl Acetate	7.09	43	8465	3.487	ug/l	96
38) Carbon Tetrachloride	7.92	117	18629	4.894	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	26457	4.476	ug/l	98
40) Benzene	8.18	78	57121	4.333	ug/l	98
41) Methacrylonitrile	7.35	41	5463m	3.829	ug/l	
42) 1,2-Dichloroethane	8.25	62	12969	3.992	ug/l	99
43) Isopropyl Acetate	8.29	43	15224	3.445	ug/l	99
44) Trichloroethene	8.96	130	18912	4.759	ug/l	94
45) 1,2-Dichloropropane	9.23	63	12947	4.011	ug/l	100
46) Dibromomethane	9.32	93	7279	4.234	ug/l	98
47) Bromodichloromethane	9.51	83	16480	4.189	ug/l	95
48) Methyl methacrylate	9.31	41	6822	3.438	ug/l	97
49) 1,4-Dioxane	9.31	88	2024	82.811	ug/l #	94
51) 4-Methyl-2-Pentanone	10.08	43	38956	16.849	ug/l	97
52) Toluene	10.25	92	36818	4.610	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	17424	4.084	ug/l	94
54) cis-1,3-Dichloropropene	9.94	75	20542	4.007	ug/l #	88
55) 1,1,2-Trichloroethane	10.66	97	11099	4.403	ug/l	94
56) Ethyl methacrylate	10.52	69	13172	3.716	ug/l	99
57) 1,3-Dichloropropane	10.80	76	18073	4.121	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	36455	19.822	ug/l	99
59) 2-Hexanone	10.84	43	26801	16.715	ug/l	98
60) Dibromochloromethane	10.99	129	12574	4.588	ug/l	100
61) 1,2-Dibromoethane	11.10	107	10786	4.468	ug/l	97
64) Tetrachloroethene	10.73	164	21827	5.285	ug/l	94
65) Chlorobenzene	11.52	112	39604	4.771	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.60	131	13741	4.972	ug/l	99
67) Ethyl Benzene	11.60	91	69793	4.639	ug/l	99
68) m/p-Xylenes	11.71	106	53072	9.358	ug/l	99
69) o-Xylene	12.03	106	25001	4.696	ug/l	100
70) Styrene	12.05	104	41917	4.544	ug/l	99
71) Bromoform	12.22	173	7867	5.133	ug/l #	99
73) Isopropylbenzene	12.34	105	67037	4.319	ug/l	98
74) N-amyl acetate	12.15	43	13540	3.158	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	7750	4.119	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	9376m	4.153	ug/l	
77) Bromobenzene	12.61	156	17387	4.985	ug/l	98
78) n-propylbenzene	12.67	91	81109	4.227	ug/l	99
79) 2-Chlorotoluene	12.76	91	43820	4.200	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	55945	4.361	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	4269	3.669	ug/l	93
82) 4-Chlorotoluene	12.86	91	46908	4.290	ug/l #	100
83) tert-Butylbenzene	13.08	119	48504	4.496	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	57245	4.465	ug/l	98
85) sec-Butylbenzene	13.26	105	70722	4.412	ug/l	98
86) p-Isopropyltoluene	13.38	119	64357	4.638	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	33022	4.911	ug/l	97
88) 1,4-Dichlorobenzene	13.45	146	33863	4.955	ug/l	95
89) n-Butylbenzene	13.70	91	60163	4.280	ug/l	99
90) Hexachloroethane	13.97	117	11503	4.359	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	29820	4.880	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1927	4.268	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	22099	5.435	ug/l	98
94) Hexachlorobutadiene	15.12	225	12187	5.881	ug/l	97
95) Naphthalene	15.25	128	39600	4.550	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	19099	5.412	ug/l	99

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

